DV Analytics
Transforming You

SECURE YOUR FUTURE EMPLOYMENT WITH

Data Science & AI

ANY GRADUATE CAN BE A DATA SCIENTIST

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Data Science & AI is the future

Data Science and AI are revolutionizing the future of employment, with the field expected to grow significantly in the coming years. Here's what you need to know:

Why Data Science and AI are Important

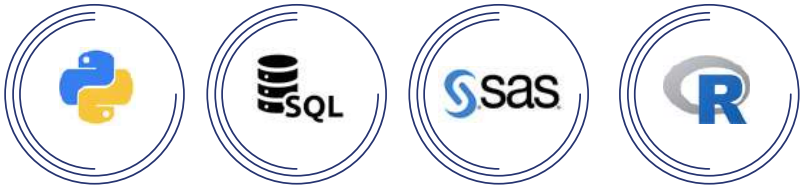
- Data science drives innovation and strategic thinking, enabling businesses to make informed decisions and solve complex problems.
- AI and machine learning are increasingly integrated into business operations, creating new opportunities for professionals with expertise in these areas.
- Data science and AI have applications across industries, including healthcare, finance, e-commerce, and more.

Future Employment Numbers

- The data science job market is projected to grow by 34% between 2022 and 2032, with an estimated 35% increase in job openings.
- The demand for AI and machine learning specialists is expected to rise by 40% by 2027, according to the World Economic Forum's Future of Jobs 2023 report.
- Data scientist roles are expected to earn between $190,000 and $230,000, reflecting strong market demand.

Key Skills for Success

Programming languages: Python, SQL, SAS and R are essential skills for data scientists.



Machine learning and AI: Expertise in machine learning algorithms, NLP, and deep learning, Gen AI, Prompt Engineering and Agentic AI is in high demand.

Cloud computing: Cloud skills, including AWS, Azure, and Google Cloud, are crucial for managing large datasets and deploying scalable solutions.

Data visualization and communication: Strong data visualization skills are necessary for transforming complex data into actionable insights.

Why Learn Data Science and AI Today

- Acquiring data science skills can lead to lucrative career opportunities and high demand in the job market.
- Staying current with emerging trends and technologies is key to success in this field.
- With the increasing integration of AI and data science, professionals who can design and optimize AI systems with Gen AI and Agentic AI will be in high demand

About DV Analytics

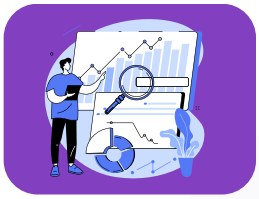
DV Analytics is a leading data science training and consulting firm, led by industry experts. We train candidates and bridge the gap between the industry requirements and the skills of the students.

We aim to build a relationship which is based on honesty, transparency, and trust to both our students as well the Corporate. We take utmost care to deliver practical and industry-oriented knowledge to our candidates

Our training and consulting organization established for imparting innovative academic programmes having direct relationship with the world and market force of the country for the last 12 years. The institute has enrolled more than 7000+ candidates, out of which 95%+ is the success rate with 19 LPA. as an average salary. We have faculty strength from industry experts, and which leads to our training and placement success. Our students are from both technical and non-technical graduates who have been trained and placed in big MNCs like Morgan Stanley, Amazon, Flipkart, ANZ Bank, One Saving Bank, Citibank, HSBC, Honeywell, Standard Chartered Bank, Societe Generale, Commonwealth Bank of Australia, Flipkart and Ford Motors etc.

Step by step approaches to become a successful Data Scientist

STEP-1



Learn DBMS Programming skills to manage complex data and transform data into meaningful business insights for decision support.

STEP-2

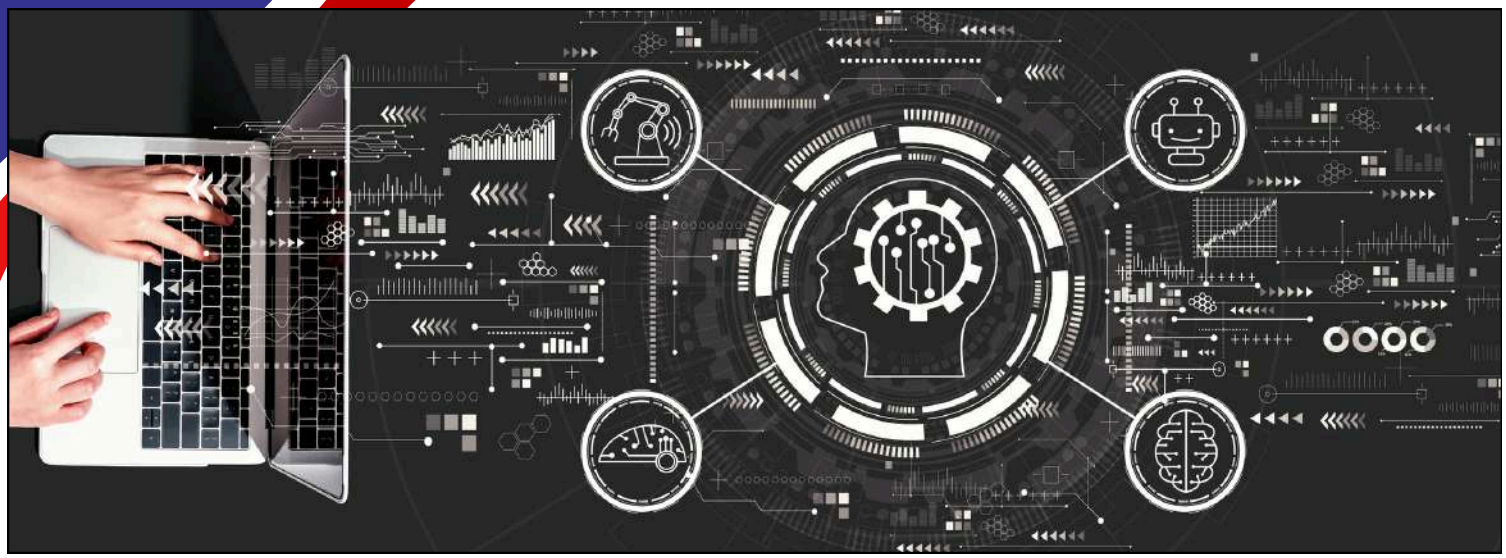
Learn Data analysis and Reporting skills using advanced Data Visualization applications.

STEP-3

Develop quantitative analysis using Statistical Inference and Advance Analytics solutions to predict future outcomes based on historical patterns.

STEP-4

Develop Predictive/Prescriptive Analytics to automate the strategic actions using Machine Learning and Artificial Intelligence techniques.



Program Highlights

Duration

Embark on a 6-8 Months immersive journey into data science, mastering a comprehensive array of skills and applications through

Eligibility

Open to graduates, post-graduates, masters, and PhD holders from any discipline.

Live Training & LMS

Access live classes seamlessly, whether online or offline. All sessions are recorded for your convenience, available on the Learning Management System (LMS).

Real-time Industry projects

Immerse yourself in practical industry projects, gaining invaluable experience to excel in interviews.

Project Mentorship & Resume Building

Craft your resume under the guidance of industry men- tors, maxzing your chances of being shortlisted by top companies.

Soft-Skills Development

Enhance your communication and soft skills, vital for seizing opportunities in the field.

Test & Mock-Interviews

Prepare effectively for inter- views with mock sessions con- ducted by industry experts, receiving valuable feedback to refine your performance.

Job Referrals

Gain access to job references to boost your prospects in the corporate world.

EDUCATION **ENGAGEMENT** **EMPLOYMENT**

Data Science Skills & Applications

Applications	Skills
Excel	DBMS and Reporting
VBA	DBMS and Reporting
SQL	DBMS and Reporting
SAS	DBMS and Reporting
Python	DBMS and Reporting
Bigdata	DBMS and Reporting
Scala	DBMS and Reporting
Tableau	Reporting and Visualization
Power BI	Reporting and Visualization
Qlik	Reporting and Visualization
Alteryx	Reporting and Visualization
Excel Advanced Analytics	Advanced Analytics
SAS Advanced Analytics	Advanced Analytics
Python Advance Analytics	Advanced Analytics
Python Machine Learning & Deep Learning	Machine Learning and AI
Prompt Engineering, Generative AI & Agentic AI	Machine Learning and AI

Our Training Modules

1. Advanced Program in Industrial Data Science (APIDS)

2. Advanced Program in Industrial Data Analytics (APIDA)

Applications	APIDS	APIDA
Excel Base and Advanced	✓	✓
Excel VBA	✓	✓
SQL	✓	✓
Python	✓	✓
SAS	✓	✓
Alteryx	✓	✓
Tableau	✓	✓
Power BI	✓	✓
Excel Advanced Analytics	✓	✓
SAS Advanced Analytics	✓	✓
Python Advanced Analytics	✓	✓
Machine Learning & AI Generative AI, Prompt Engineering & Agentic AI	✓	
Bigdata & Scala	✓	
GitHub	✓	
AWS	✓	
Azure	✓	
Google Cloud Platform (GCP)	✓	

Advanced Program in Industrial Data Science (APIDS)

The Advanced Program in Industrial Data Science (APIDS) provides comprehensive data science training with a practical industry-oriented approach. This program ensures a complete 360-degree skill set to meet industry demands, fostering your ability to solve business problems using DBMS programming, data analysis, advanced visualization, storytelling dashboard creation, and advanced machine learning and generative AI for strategic action and monitoring.

Program Objectives:

The objective is to make participants industry-ready with a full spectrum of data science skills, positioning them as valuable assets in the job market.

Skills and Applications:

Database Management Programming & Automation:
DBMS programming is essential for efficient data access, querying, and analysis. It ensures data integrity and security, with techniques like indexing and optimization for performance enhancement.

Applications:
SQL, SAS, Python, PySpark, Scala, Bigdata

Data Analysis & Visualization:
Core skills for data scientists include data analysis and visualization, crucial for extracting insights and communicating findings effectively. Techniques encompass statistical analysis, machine learning, and exploratory data analysis (EDA).

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Core skills for data scientists include data analysis and visualization, crucial for extracting insights and communicating findings effectively. Techniques encompass statistical analysis, machine learning, and exploratory data analysis (EDA).

Applications:
Excel Base & Advanced, Power Bi, Tableau and Alteryx

Data Mining:
Data mining equips data scientists with tools to extract valuable insights from large datasets. Techniques include pattern recognition, predictive modeling, classification, clustering, and anomaly detection. Data scientists leverage these methods to uncover hidden patterns, trends, and relationships, informing strategic decisions and driving innovation.

Applications:
Advanced Analytics using Excel, SAS and Python, Advanced ML, DL and Generative AI using Python.

Advanced Program in Industrial Data Science (APIDS)

Cloud Computing:
Data scientists benefit from cloud computing skills for scalable data processing and analysis. Proficiency in major cloud platforms like AWS, Azure, and GCP is vital, alongside big data frameworks such as Hadoop and Spark. Understanding containerization with Docker and orchestration using Kubernetes ensures seamless deployment.

Platforms:
AWS, Azure and GCP

Open AI Language Model and Prompt Engineering:
ChatGPT, Google Gemini, Claude etc. for optimizing workflow models.

Soft Skills:
Spoken English, Speech control and corporate code of conducts.

Who Can:

Any graduates, masters, post-graduates, PhD in any discipline from a recognized university. Both working and non-working professionals can opt for careers in data science job opportunities.

Offred Roles:

Data Scientist, Data Analytics Consultant, Reporting Specialist, Business Analytics Consultant, Data Engineer, ML Engineers, Ai Specialist, Ai Architect, Data Science Principal Consultant

Offered Salary Range:

- Approximate Salary Range
- Freshers – 6-10 Lacs pa
- 1-3 Years Exp – 10-15 Lacs pa
- 4-8 Years Exp – 15-35 Lacs pa
- 8+ Years Exp – 35 lacs + pa

Industry Projects:

- Banking
- Telecom
- Retail
- Insurance
- Healthcare

Advanced Program in Industrial Data Analytics (APIDA)

The Advanced Program in Data Analytics (APDA) delivers comprehensive training in data analytics with a focus on practical industry applications. This program provides a holistic skill set essential for addressing industry demands, emphasizing DBMS programming, data analysis, advanced visualization, storytelling dashboard creation, and advanced analytics for predictive model and strategic action building.

Program Objectives:

The objective of this program is to acquaint participants with industry-specific problem-solving skills, focusing on various aspects of data analytics. These include proficiency in data analysis, reporting, visualization, programming, and advanced analytics techniques aimed at strategy formulation.

Skills and Applications:

Database Management Programming & Automation:
DBMS programming is essential for efficient data access, querying, and analysis. It ensures data integrity and security, with techniques like indexing and optimization for performance enhancement.techniques like indexing and optimization for performance enhancement.

Applications:
SQL, SAS, Python

Data Analysis & Visualization:
Core skills for data scientists include data analysis and visualization, crucial for extracting insights and communicating findings effectively. Techniques encompass statistical analysis, machine learning, and exploratory data analysis (EDA).

Applications:
Excel Base & Advanced, Power Bi, Tableau and Alteryx

Data Mining:
Data mining equips data scientists with tools to extract valuable insights from large datasets. Techniques include pattern recognition, predictive modeling, classification, clustering, and anomaly detection. Data scientists leverage these methods to uncover hidden patterns, trends, and relationships, informing strategic decisions and driving innovation.

Applications:
Advanced Analytics using Excel, SAS and Python

Advanced Program in Industrial Data Analytics (APIDA)

Open AI Language Model and Prompt Engineering:
ChatGPT, Google Gemini, Claude etc. for optimizing workflow models.

Soft Skills:
Spoken English, Speech control and corporate code of conducts.

Who Can:

Any graduates, masters, post-graduates, PhD in any discipline from a recognized university. Both working and non-working professionals can opt for careers in data science job opportunities.

Offred Roles:

Data Scientist, Data Analytics Consultant, Reporting Specialist, Business Analytics Consultant, Data Science Principal Consultant.

Offered Salary Range:

- Approximate Salary Range
- Freshers 4-7 Lacs pa
- 1-3 Years Exp – 8-12 Lacs pa
- 4-8 Years Exp – 12-25 Lacs pa
- 8+ Years Exp – 25 lacs + pa

Industry Projects:

- Banking
- Telecom
- Retail
- Insurance
- Healthcare

DV Analytics Program Curriculum

Module 1: Introduction to Data Science and Excel

1.1 Overview of Data Science

- Definition and importance of data science
- The data science lifecycle
- Key roles in data science: Data Analyst, Data Scientist, Data Engineer

1.2 Introduction to Excel for Data Analysis

- Excel interface and basic operations
- Data entry and formatting
- Basic formulas and functions (SUM, AVERAGE, COUNT, MAX, MIN)

1.3 Advanced Excel Functions

- Logical functions (IF, AND, OR, NOT)
- Lookup functions (VLOOKUP, HLOOKUP, INDEX-MATCH)
- Text functions (LEFT, RIGHT, MID, CONCATENATE)
- Date and time functions

1.4 Data Cleaning and Preparation in Excel

- Removing duplicates
- Handling missing values
- Text to columns
- Data validation

1.5 Excel Pivot Tables and Charts

- Creating and customizing pivot tables
- Pivot charts and slicers
- Calculated fields and items

1.6 Excel Data Analysis Tools

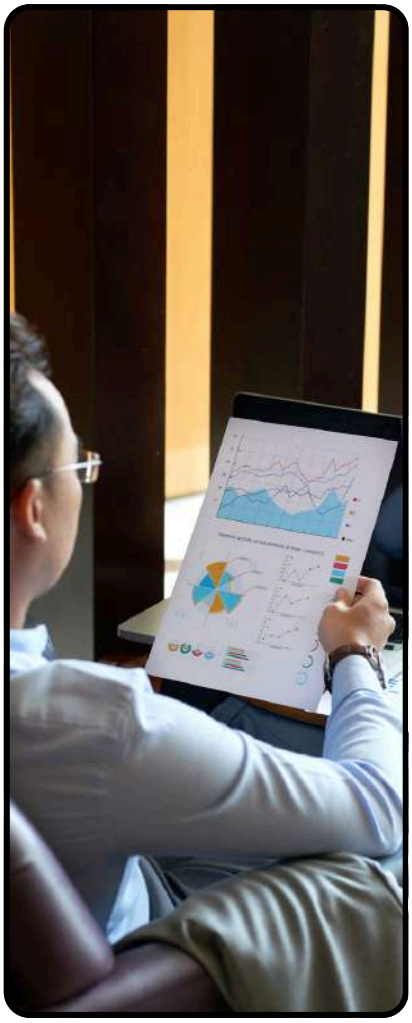
- Descriptive statistics using Data Analysis ToolPak
- Correlation and regression analysis
- What-if analysis: Goal Seek and Scenario Manager

1.7 Introduction to Power Query

- Importing data from various sources
- Basic data transformation operations
- Creating and managing queries

1.8 Excel Macros and VBA Basics

- Recording and running macros
- Introduction to VBA programming
- Creating simple user-defined functions



Module 2: SQL for Data Analysis

2.1 Introduction to Databases and SQL

- Relational database concepts
- SQL overview and importance in data analysis
- Setting up a database environment (e.g., MySQL, PostgreSQL)

2.2 Basic SQL Queries

- SELECT statement and retrieving data
- Filtering with WHERE clause
- Sorting with ORDER BY
- Limiting results with LIMIT/TOP

2.3 Working with Multiple Tables

- Joins: INNER, LEFT, RIGHT, FULL OUTER
- UNION and UNION ALL
- Subqueries

2.4 Aggregations and Group Operations

- Aggregate functions (COUNT, SUM, AVG, MAX, MIN)
- GROUP BY clause
- HAVING clause for filtering groups

2.5 Advanced SQL Techniques

- Window functions
- Common Table Expressions (CTEs)
- CASE statements
- Handling NULL values

2.6 Data Manipulation with SQL

- INSERT, UPDATE, and DELETE operations
- Creating and altering tables
- Views and temporary tables

2.7 Optimizing SQL Queries

- Understanding query execution plans
- Indexing basics
- Query optimization techniques

2.8 SQL for Data Analysis Projects

- Cohort analysis
- Customer segmentation
- Funnel analysis
- Time series analysis with SQL

Module 3: Data Visualization with Tableau

3.1 Introduction to Tableau
- Overview of Tableau products
- Tableau interface and workspace
- Connecting to data sources

3.2 Creating Basic Visualizations
- Bar charts and histograms
- Line charts and area charts
- Scatter plots and bubble charts
- Pie charts and treemaps

3.3 Working with Dimensions and Measures
- Understanding dimensions and measures
- Discrete vs. continuous fields
- Changing aggregation methods
- Creating calculated fields

3.4 Advanced Chart Types
- Box plots and violin plots
- Gantt charts
- Bullet graphs
- Waterfall charts

3.5 Maps and Geospatial Analysis
- Creating basic maps
- Custom territories and geocoding
- Using map layers
- Spatial calculations

3.6 Dashboards and Stories
- Designing effective dashboards
- Adding interactivity with actions and filters
- Creating Tableau stories for presentations

3.7 Advanced Tableau Techniques
- Table calculations
- Level of Detail (LOD) expressions
- Parameters and what-if analysis
- Trend lines and forecasting

3.8 Tableau Best Practices and Optimization
- Performance optimization techniques
- Best practices for visual design
- Sharing and publishing visualizations
- Tableau Server basics

Module 4: Business Intelligence with Power BI

4.1 Introduction to Power BI

- Overview of Power BI suite (Desktop, Service, Mobile)
- Power BI interface and components
- Connecting to various data sources

4.2 Data Transformation with Power Query

- Power Query Editor interface
- Basic data cleaning operations
- Combining and merging queries
- Creating custom columns and measures

4.3 Data Modeling in Power BI

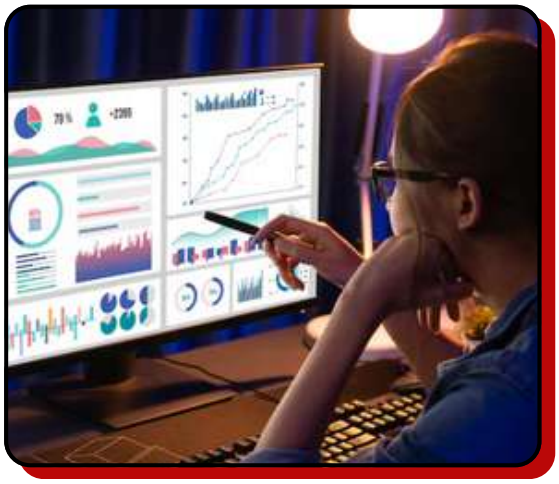
- Creating relationships between tables
- Star schema vs. snowflake schema
- Hierarchies and date tables
- Best practices for data modeling

4.4 DAX (Data Analysis Expressions)

- Introduction to DAX language
- Creating calculated columns and measures
- Time intelligence functions
- Advanced DAX functions (CALCULATE, FILTER, ALL)

4.5 Visualizations in Power BI

- Creating and customizing standard charts
- Matrix and table visualizations
- Custom visuals from AppSource
- Creating and using map visualizations



4.6 Power BI Reports and Dashboards

- Designing effective reports
- Implementing interactivity with slicers and filters
- Creating and sharing dashboards
- Mobile-optimized reports

4.7 Power BI Service and Collaboration

- Publishing reports to Power BI Service
- Creating app workspaces
- Implementing row-level security
- Sharing and collaborating on reports

4.8 Advanced Power BI Features

- Power BI Dataflows
- AI insights and quick measures
- Real-time streaming datasets
- Embedding Power BI reports

Module 5: Python Programming for Data Science

5.1 Introduction to Python

- Setting up Python environment (Anaconda, Jupyter Notebook)
- Python syntax and basic data types
- Control structures (if-else, loops)
- Functions and modules

5.2 Data Structures in Python

- Lists, tuples, and dictionaries
- Sets and arrays
- List comprehensions
- Working with strings

5.3 NumPy for Numerical Computing

- NumPy arrays and operations
- Array indexing and slicing
- Broadcasting
- Linear algebra operations

5.4 Pandas for Data Manipulation

- Series and DataFrame objects
- Reading and writing data (CSV, Excel, SQL)
- Data cleaning and preprocessing
- Merging, grouping, and aggregating data

5.5 Data Visualization with Matplotlib and Seaborn

- Creating basic plots with Matplotlib
- Customizing plot appearance
- Statistical data visualization with Seaborn
- Interactive plotting with Plotly

5.6 Exploratory Data Analysis (EDA)

- Descriptive statistics
- Correlation analysis
- Handling missing data
- Outlier detection and treatment

5.7 Web Scraping and API Interaction

- HTML basics and inspecting web pages
- Web scraping with BeautifulSoup
- Working with APIs (requests library)
- Parsing JSON data

5.8 Introduction to Object-Oriented Programming

- Classes and objects
- Inheritance and polymorphism
- Creating custom data structures
- Best practices in OOP for data science

Module 6: Machine Learning with Python

6.1 Introduction to Machine Learning

- Types of machine learning (supervised, unsupervised, reinforcement)
- The machine learning workflow
- Train-test split and cross-validation
- Bias-variance tradeoff

6.2 Scikit-learn Library

- Overview of scikit-learn
- Data preprocessing techniques
- Feature selection and engineering
- Pipeline and FeatureUnion

6.3 Supervised Learning: Regression

- Linear regression
- Polynomial regression
- Regularization techniques (Ridge, Lasso)
- Decision trees and random forests for regression

6.4 Supervised Learning: Classification

- Logistic regression
- Support Vector Machines (SVM)
- Decision trees and random forests for classification
- Naive Bayes classifiers

6.5 Unsupervised Learning

- K-means clustering
- Hierarchical clustering
- Principal Component Analysis (PCA)
- t-SNE for dimensionality reduction

6.6 Ensemble Methods

- Bagging and Random Forests
- Boosting algorithms (AdaBoost, Gradient Boosting)
- Stacking ensembles
- Voting classifiers

6.7 Model Evaluation and Hyperparameter Tuning

- Metrics for regression and classification
- Confusion matrix and ROC curves
- Grid search and random search
- Automated machine learning (AutoML) tools

Module 7: Deep Learning and Neural Networks

7.1 Introduction to Neural Networks

- Artificial neurons and activation functions
- Feedforward neural networks
- Backpropagation algorithm
- Gradient descent optimization

7.2 Deep Learning Frameworks: TensorFlow and Keras

- TensorFlow basics and computational graphs
- Keras API overview
- Building and training simple neural networks
- Saving and loading models

7.3 Convolutional Neural Networks (CNNs)

- Convolution and pooling operations
- CNN architectures (LeNet, AlexNet, VGG)
- Transfer learning with pre-trained models
- Image classification and object detection

7.4 Recurrent Neural Networks (RNNs)

- Sequential data and RNN architecture
- Long Short-Term Memory (LSTM) networks
- Gated Recurrent Units (GRUs)
- Applications in text generation and sentiment analysis

7.5 Autoencoders and Generative Models

- Autoencoder architecture and applications
- Variational Autoencoders (VAEs)
- Introduction to Generative Adversarial Networks (GANs)
- Style transfer and image generation

7.6 Natural Language Processing with Deep Learning

- Word embeddings (Word2Vec, GloVe)
- Sequence-to-sequence models
- Attention mechanisms
- Transformer architecture and BERT

Module 8: GenAI, Advanced LLM Models and LangChain Applications

8.1 LLM Models from Hugging Face

- Installing and setting up Hugging Face environment
- Pretrained language models and their usage
- NLP tasks with Hugging Face (classification, NER, Q&A, text generation)
- Hugging Face Pipelines for streamlining NLP workflows
- Fine-tuning pretrained models for specific tasks
- Deploying Hugging Face models to different environments
- Bank Customers Complaints Classification case study

8.2 LangChain Fundamentals

- Introduction to LangChain
- Getting started with LangChain installation and setup
- Main Components in LangChain
- Getting started with LangChain and OpenAI
- LangChain with HuggingFace Models
- LangChain Chains and working with Prompts

8.3 LangChain Model I/O

- Basic Document Loader and Chain on loaded documents
- CSV Loader and WebBaseLoader
- Wikipedia, PyPDFLoader, and BSHTMLLoader
- Output Parsers: CSV Parser and Pydantic

8.4 LangChain - RAG (Retrieval-Augmented Generation)

- Building a Retrieval Chain
- Understanding Refine, MapReduce, and MapRerank
- Embeddings: Understanding, Download, and Visualization
- Prompt composition and templates
- Using multiple LLMs (Chains)
- Working with Data loaders and text splitters
- Introducing ChromaDB
- Working with various Chains (Conversational Retrieval QA Retrieval QA, Summarization, API)

8.5 LangChain Memory and Chatbots

- Concept of Memory and ConversationBufferMemory
- Four types of memory in LangChain
- Building Applications with memory
- Chatbot using LangChain and ConversationalRetrievalChain
- Chatbot with RAG
- Tool - ChatBot talk to Multiple Documents

8.6 LangChain Agents and Tools

- Concept of tools and LangChain Agents
- ReAct (Reasoning and Acting) prompting
- SerpApi Tool and PPT Maker APP
- CSV Agent and App - Talk to your Data
- Custom Tools

Module 9: Agentic AI

Introduction to Agentic AI

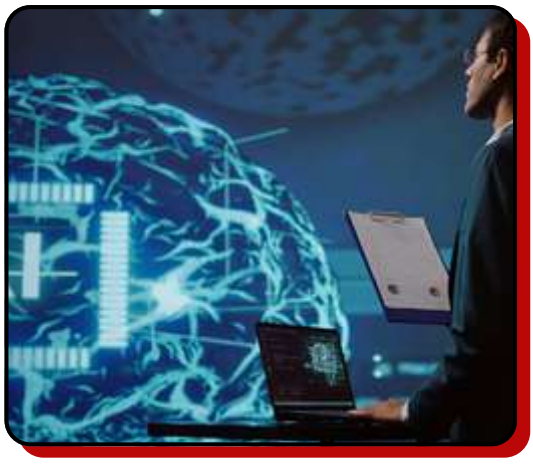
- Understanding AI agents vs. traditional AI models
- What makes AI "agentic" — autonomy, goals, and tool use
- The role of LLMs in agent-based systems
- Real-world applications and use cases
- Overview of the agent ecosystem (frameworks, orchestration, integrations)

Core Concepts and Architecture

- Key components: Perception, Reasoning, Planning, Action
- Memory systems (short-term vs. long-term memory in agents)
- Prompt engineering for agents
- Multi-agent collaboration patterns
- Evaluation metrics for agents

Agentic AI Frameworks Overview

- Comparing major frameworks: AutoGen, CrewAI, LangChain Agents, LlamaIndex Agents
- When to use which framework — trade-offs and strengths
- Interoperability between frameworks
- Case studies of production-grade agent systems



Building with AutoGen

- Introduction to AutoGen and its architecture
- Creating single-agent workflows
- Multi-agent conversations and task delegation
- Integrating tools and APIs with AutoGen agents
- Error handling and resilience in AutoGen agents
- Project: Build a two-agent research & writing system

Building with CrewAI

- CrewAI basics and setup
- Roles, skills, and task distribution in CrewAI
- Orchestrating multiple agents for a business process
- Dynamic role assignment and runtime decision-making
- Integrating external APIs with CrewAI agents
- Project: Build a customer-support agent crew

n8n for Agentic Automation

- Introduction to n8n as a visual workflow orchestrator
- Connecting LLMs and agents into n8n workflows
- Webhooks, triggers, and event-driven agents
- Passing context between n8n nodes and agents
- Real-time data pipelines for agents using n8n
- Project: Build a Telegram chatbot agent with n8n backend

MCP (Model Context Protocol)

- Understanding the MCP specification
- How MCP enables tools and data access for agents
- Setting up an MCP server and integrating it into workflows
- MCP client-server communication in agent systems
- Using MCP with AutoGen, CrewAI, and n8n
- Project: Create an MCP-enabled knowledge retrieval agent
- Scaling multi-agent systems

Hands on industry projects

Retail Marketing

The world we live in is evolving every day. There are significant changes in the retail market as opposed to how it was a decade or two ago. With sales worth trillions of dollars worldwide, retail industry is expected to develop even further in the coming days. Data Analytics can be used in the retail industry for various reliable decisions. Be it customer retention or sales prediction, we can develop models using data to provide the best possible solutions.

DV Analytics solutions include, but are not lted to, the following:

- Targeted customer communication
- Price optimization
- Demand prediction and inventory management
- Customer experience enhancement
- Market trend prediction
- Customer retention
- Strategic business decisions to increase sales

Banking

The world we live in is evolving every day. There are significant changes in the retail market as opposed to how it was a decade or two ago. With sales worth trillions of dollars worldwide, retail industry is expected to develop even further in the coming days. Data Analytics can be used in the retail industry for various reliable decisions. Be it customer retention or sales prediction, we can develop models using data to provide the best possible solutions.

DV Analytics solutions can help you in the following:

- Customer identification and acquisition
- Portfolio analysis and risk management
- Customer retention
- Credit risk analysis
- Collection analysis
- Marketing analysis

Telecom

Telecommunication industry has encountered extraordinary changes over the past few decades. From satellite internet to 5G services, the industry continues to grow together with the advancements in technology. With every company racing to get the best services delivered to each customer, it is challenging to gain a competitive advantage. Telecommunication data analytics (telecom analytics) can help solve your complex business problems by finding the most optimal solutions, using various statistical approaches such as data mining, data manipulation, descriptive modeling, or predictive modeling. We can discern and analyze the existing trends to find the most favorable outcome. Data analytics can help you save operational costs, maximize your profits, increase the sales, and even manage risks.

Some of the Telecom analytics solutions that DV Analytics offers are:

- Revenue forecasting
- Churn prediction
- Fraud prevention
- Average revenue per unit (ARPU)
- Risk management
- Profit based customer segmentation
- Social networking analysis
- Customer sentiment analysis

E-Commerce

Ecommerce refers to trade that happens over the internet. Through online stores, it is possible to purchase a wide variety of products using your computer, tablet, smartphone, or other smart devices. Since ecommerce businesses exist in a virtual space, they need effective ecommerce analytics to predict the changes in the market. Ecommerce analytics can provide actionable insights on various aspects such as interaction of shoppers, online shopping trends, and common interests. Using statistical approaches, we can anticipate changes in the market, analyse risk, and make better business decisions.

DV Analytics solutions can help you in the following:

- Customer identification and acquisition
- Portfolio analysis and risk management
- Customer retention
- Credit risk analysis
- Collection analysis
- Marketing analysis

Healthcare

Healthcare is a collective term for hospital services, medical devices, pharmaceutical services, insurance services, and any other medical care provisions provided for an individual or a community. It is said that prevention is always better than cure. While we cannot always prevent an event from occurring, we can always be prepared for its arrival. By gathering data, analyzing trends, and predicting possible outcomes, the application of Data Analytics in the healthcare industry are limitless. The insights that we obtain from healthcare data can support in making decisions that can have a significant business impact.

We at DV Analytics solutions can help your organization with:

- Risk Analysis
- Insurance claim analysis
- Operations analysis
- Patient care analysis
- Performance monitoring
- Operational and interactive dashboards

Our Successful Students

CHANDRA SEKHAR SAHU
BTECH - BHUBANESWAR
HSBC

SUSHRI SUPRABHAT SWAIN
BTECH - BHUBANESWAR
IBM

BIKASH JENA
BCOM- ODISHA
paytm

DR.ABHIYA GUPTA
MSC PHYSIOTHERAPY
aetna

ASWINI JENA
BTECH- BHUBANESWAR
CKUENS

PV SHREEJIL
BTECH- KERALA
EXL

SUBHAM PITRUBHAKT
MPHARMA - MAHARASHTRA
WELLS FARGO

SWAYAM PRASAD SAHOO
BSC, BHUBANESWAR
WELLS FARGO

SAYANTAN KARMAKAR
BTECH, JAMSHEDPUR
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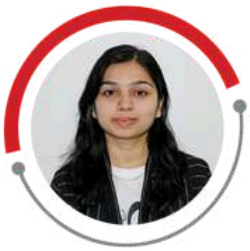

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MPHARMA, MAHARASHTRA
Deloitte.

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BTECH, MAHARASHTRA
Johnson &Johnson

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BTECH , CHHATARPUR, MP
BAJAJ FINSERV

GAUTHAM KUMAR MOOD
MBA, AP
EXL

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BTECH, ODISHA
ANNAPURNA FINANCE

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Morgan Stanley

MATRU PRASHAD PANDA
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TANU SAMBARIA
BTECH- MAHARASHTRA
IBM

SANDHYARANI MOHANTY
MSC, ODISHA
JSW

Any Graduate Can Be a Data Scientist

Data Science and Gen AI with Agentic AI offer revolutionary career opportunities for every graduate. India is poised to produce numerous data scientist job opportunities, driven by the growing demand for Data Science professionals. This field enables students and working professionals to make a seamless career transition into Data Science and AI, unlocking new avenues for growth and success.

Our Successful Students

RANVEER
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Landmark

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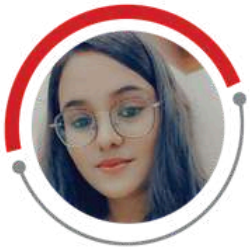
BCOM, UP
ORACLE



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FedEx

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RSM

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MBA, CUTTACK, ODISHA
HSBC

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BSC, ODISHA
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MBA, MP
airtel

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B.TECH, DELHI
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M.TECH, BHUBANESWAR
HSBC

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iOPEX

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SHARIQUE ANWER
RANCHI, JHARKHAND
annalect

ANKITA DAS
BHUBANESWAR, ODISHA
Birlasoft

BHARATH S
BTECH, MYSORE, KARNATAKA
uni digital bank

CHARAN H S
BTECH, MYSORE, KARNATAKA
synchrony

Data Science is a structured learning approach that involves:

DBMS Programming: Learning SQL, SAS, Python, and Pyspark.

Data Analysis & Visualization: Mastering Excel AI, Power BI, Tableau, and Alteryx.

Data Mining: Acquiring skills in Advanced Analytics, Machine Learning, Deep Learning, Gen AI, and Agentic AI using Python and Open AI applications.

Cloud Computing: Gaining expertise in Azure, AWS, & GCP

To excel in Data Science, focus on:

- **Regular Live Classes**
- **Assignments**
- **Hands-on Industry Projects**

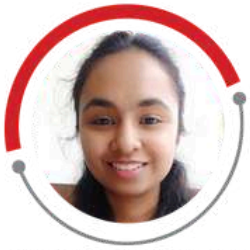
This approach enables you to develop a comprehensive skill set and stay competitive in the field.

Our Successful Students

KARAN SINGH SOLANKI
BTECH, MP
Legato

RITIK SONI
BBA, MP
WELLS FARGO

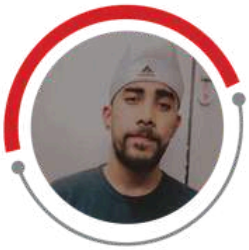
AMARNATH PONTURU
B.TECH, AP
SIGMA SOLVE



BHAVISHYA KARNATAKAM
B.TECH, KARNATAKA
J.P.Morgan

APOORUPA HARSHINI
B.TECH, AP
WELLS FARGO

SARTHAK PARIDA
BSC, BHUBANESWAR, ODISHA
BAJAJ FINSERV



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BARCLAYS

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BA, MP, INDORE
EXL

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MCA, MP
TCS

TARANDEEP SINGH
MBA, INDORE, MP
Gartner

MANDEEP KATNORI
MBA, MUMBAI
J.P.Morgan

Key Highlights

Our Data Science program offers numerous benefits, including:

Live Classes: Interactive learning with expert instructors.

Live and Recorded Class Videos: Access to class materials & recordings through our Learning Management System (LMS).

1:1 Assignments and Doubt Clearings: Personalized support to ensure you grasp concepts thoroughly.

Industry Mentorship Program: Hands-on experience with live projects and industrial practicals.

Profile Building: Assistance in crafting a strong professional profile.

Job Assistance: Support in securing a job in the Data Science industry.

These benefits empower you to gain practical skills, build a strong profile, and transition into a successful Data Science career.

Our Successful Students

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J.P.Morgan

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BTECH, BHUBANESWAR, ODISHA
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SANTAK PATTNAIK
BTECH & MBA, CUTTACK, ODISHA
TIGER ANALYTICS

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MTECH, KOLKATA
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BTECH, MP
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BTECH, MBA, NAGPUR, MAHARASHTRA
WELLS FARGO

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SIDHARTH SIHARE
BTECH, MP
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Measue your Success at DV
To ensure success, focus on these key steps:

Our Data Science program offers numerous benefits, including:

1

Regular Classes:
Attend live classes consistently.

2

Complete Class Assignments
Finish assignments to reinforce learning.

3

Hands-on Industry Projects
Work on real-world projects to gain practical experience.

4

Industry Mentorship Program
Leverage expert guidance & feedback.

5

Interview Q&A
Prepare for interviews with mock Q&A sessions.

6

Profile Building
Create a strong professional profile

7

Hard Paper Test & Mock Interviews
Assess your knowledge and prepare for real interviews

8

Placement Assistance
Get support in securing a job.

By following these steps, success is not just possible, but definitely a pathway to successful Data Science career.

Our Successful Students

MADHUSUDAN BEHERA
B.TECH, BERHAMPUR, ODISHA
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CHUBB

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Landmark

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HSBC

MANJUNATH
BCOM, KARNATAKA
WELLS FARGO

SAISHYAM MOHANTY (FRANKI)
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HSBC

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AMAN PATRA
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citi

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MP, BCOM,CA,MBA FINANCE
osb

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BTECH, MP
EXL

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osb

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EQUIFAX

KHUSHBOO PATIL
MBA, MP
Landmark

Hiring Companies

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BCOM, DELHI
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dci

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BTECH, ODISHA
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FAB

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GOWTHAM
BTECH, KARNATAKA

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SUBHRA
MA, ODISHA

JASPREET SINGH
B.COM, DELHI

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BCOM, ODISHA

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ZS

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Cognizant

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WELLS FARGO

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HSBC

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