DVAnalytics
Transforming You

E&ICT Academy
IIT Guwahati

Employment-Focused College Campus Training and Certification Program in Data Science & Gen AI

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About the program

Many colleges face challenges in partnering with suitable recruitment firms as the industry rapidly evolves with cutting-edge technologies. As a result, preparing students with the latest technological skills for the job market has become increasingly difficult. To address this, DV Data & Analytics offers an employment focused campus training program in collaboration with universities and colleges.

This initiative aims to equip students with industry-relevant skills, ensuring they are well-prepared for the highest employment opportunities in fields such as Data Science & Artificial Intelligence

About DV Data & Analytics

DV Data & Analytics is a premier training and consulting firm from India, dedicated to making graduates employable in cutting-edge technologies like Data Science and AI. The institute's mission is to ensure that every graduate secures a position in the IT sector. With a strong track record in India, DV Data & Analytics has consistently prepared graduates for successful careers in IT, especially in Data Science & AI. The courses are meticulously designed with a focus on practical industry applications, providing not only theoretical knowledge but also hands-on experience. This approach ensures that graduates are thoroughly prepared and highly skilled in their respective fields.

Universities & colleges collaboration

DV Data & Analytics is reaching out to various universities and colleges to establish a collaboration aimed at offering specialized training programs. These programs are designed to train both undergraduate and postgraduate students in Data Science and Generative AI. Through this partnership, students will receive industry-focused training led by experienced mentors, ensuring they gain practical knowledge and skills. Additionally, DV Data & Analytics will support students in enhancing their profiles to meet industry standards and facilitate the campus recruitment process, connecting them with potential employers.

University collaboration benefits:

- Industry-Relevant Curriculum
- Access to Industry Expertise and Resources
- Internship and Placement Opportunities
- Research and Innovation Support
- Professional Development for Faculty
- Enhanced Brand Reputation
- Real-World Problem Solving and Capstone Projects
- NAAC accreditation

Program overview

The Data Science & AI training program is designed to provide undergraduate (UG) and postgraduate (PG) students with a comprehensive understanding of the key concepts, tools, and techniques in the field of Data Science and Artificial Intelligence (AI). This curriculum aims to bridge the gap between academic learning and industry requirements, offering students hands-on experience with real-world applications.

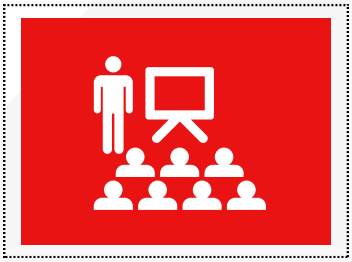
Program highlights

Duration

6-12 months including training, assignments, projects, resume preparation, mock interviews and final placements

Eligibility

Any graduate, post- graduate and working professionals from both technical and non- technical background can be a part of this program



Live Training

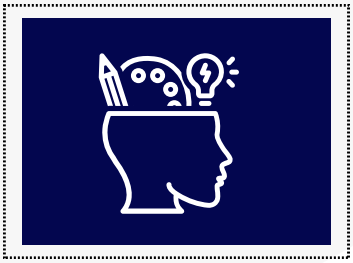
Get all classes live and recorded and post class get access to the recorded session through our LMS System

Real-time Industry projects

Real-time Industry projects
Get industry base real-time projects hands-on from Banking, Retail, Insurance, E-Commerce, Telecom and Healthcare

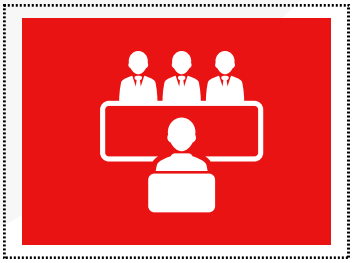
Resume

Get customised resume with data science projects and skills applied



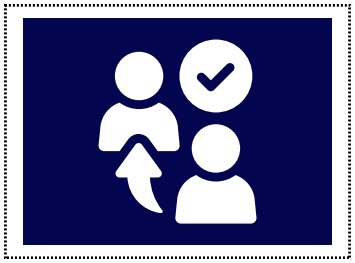
Soft-Skills

Get command to your English communication and develop soft skills for people interaction



Mock-Interviews

Appear mock interviews with industry expert before getting into the corporate world



Job [Referrals]

Job [Referrals]
Get 100% corporate referrals for placement

EDUCATION

ENGAGEMENT

EMPLOYMENT

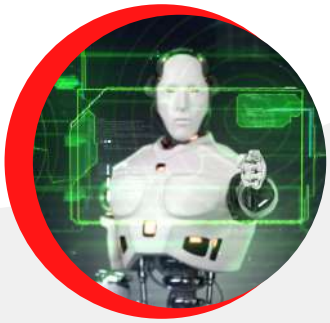
SKILLS & APPLICATIONS

DBMS PROGRAMMING

DBMS programming is vital for data scientists, enabling efficient data management, integration, and retrieval. It ensures data integrity and security, supports complex analytics, and allows for scalable handling of large datasets. Mastery of DBMS fosters automation, collaboration, and accurate data-driven decisions, making it indispensable in the data science field.

DATA ANALYSIS AND VISUALIZATION

Data analysis and visualization are essential for data scientists, involving data cleaning, statistical analysis, and predictive modeling. Visualization tools like Matplotlib, Seaborn, Tableau, and Power BI help communicate insights effectively, enabling informed decision-making and uncovering hidden patterns, trends, and correlations in data.



DATA MINING AND GEN AI

Data mining and advanced analytics, enhanced by generative AI, enable data scientists to extract deep insights, make accurate predictions, and create innovative solutions. Techniques include machine learning, deep learning, and natural language processing, while generative AI aids in data augmentation, content creation, and anomaly detection, driving significant value across domains.

CLOUD COMPUTING

Cloud computing is essential for data scientists, offering scalable, cost-effective resources for data storage, management, and analysis. It enhances collaboration, accessibility, and security, and provides powerful tools for advanced analytics and machine learning. Cloud platforms enable innovation and efficient handling of large datasets and complex computations.

APPLICATIONS

DBMS PROGRAMMING	DATA ANALYSIS & VISUALIZATION	DATA MINING & AI	CLOUD COMPUTING
SQL Server, Python, SAS	Tableau, Power BI, Excel	Python, SAS	Azure

Course contents

The Data Science & Generative AI course is designed to provide a comprehensive understanding of data analytics processes, coupled with cutting-edge skills in Generative AI. This course focuses on data manipulation, data analysis, visualization, and predictive analytics using advanced machine learning and AI models. Learners will gain expertise in analyzing large datasets, building predictive models, and deploying AI-driven solutions, including Generative Adversarial Networks (GANs) and large language models (LLMs). The course balances theoretical knowledge with practical, hands-on projects to prepare students for real world challenges in data science and AI.

PHASE 1 : KEY MODULES (6 MONTHS):

Excel and SQL for Data Analytics
- Data Cleaning and Preparation using Excel
- SQL Queries for Data Extraction and Analysis
- Advanced SQL Concepts: Joins, Subqueries, and Functions

Data Visualization with Tableau and Power BI
- Introduction to Tableau and Power BI
- Creating Interactive Dashboards and Visualizations
- Advanced Features and Custom Visuals

SAS for Data Analysis
- Introduction to SAS Programming
- Data Manipulation and Statistical Analysis with SAS

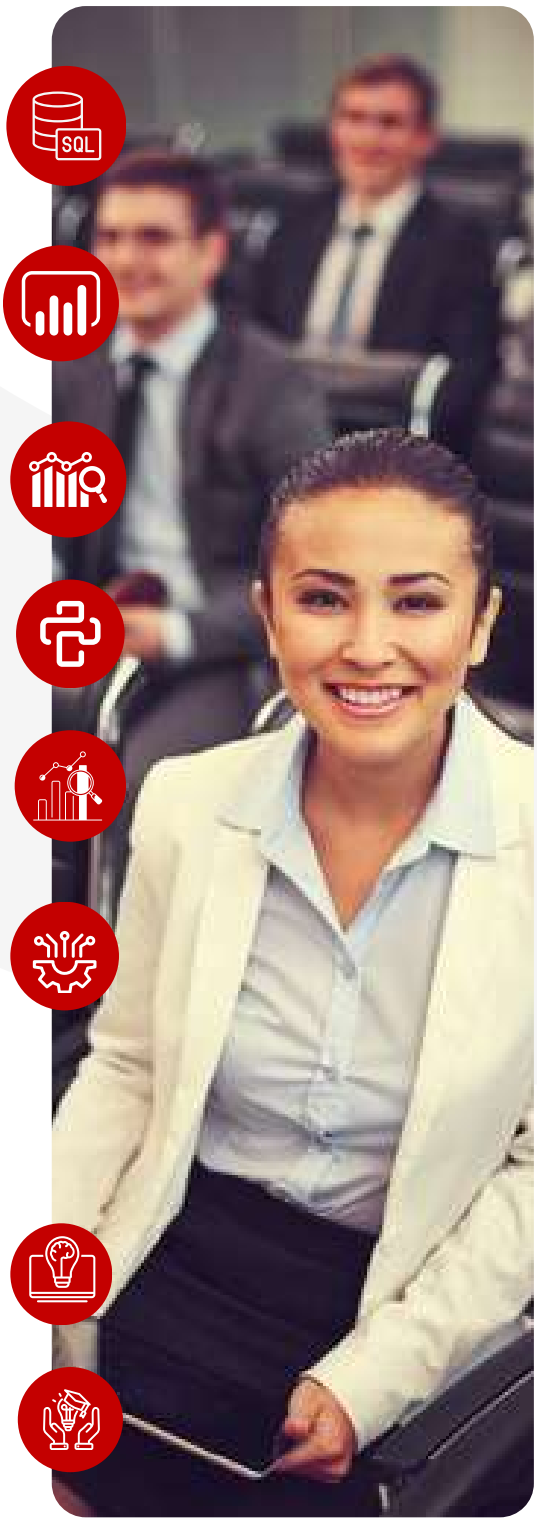
Python for Data Science
- Python Programming Basics
- Libraries for Data Analysis: NumPy, Pandas, Matplotlib, and Seaborn

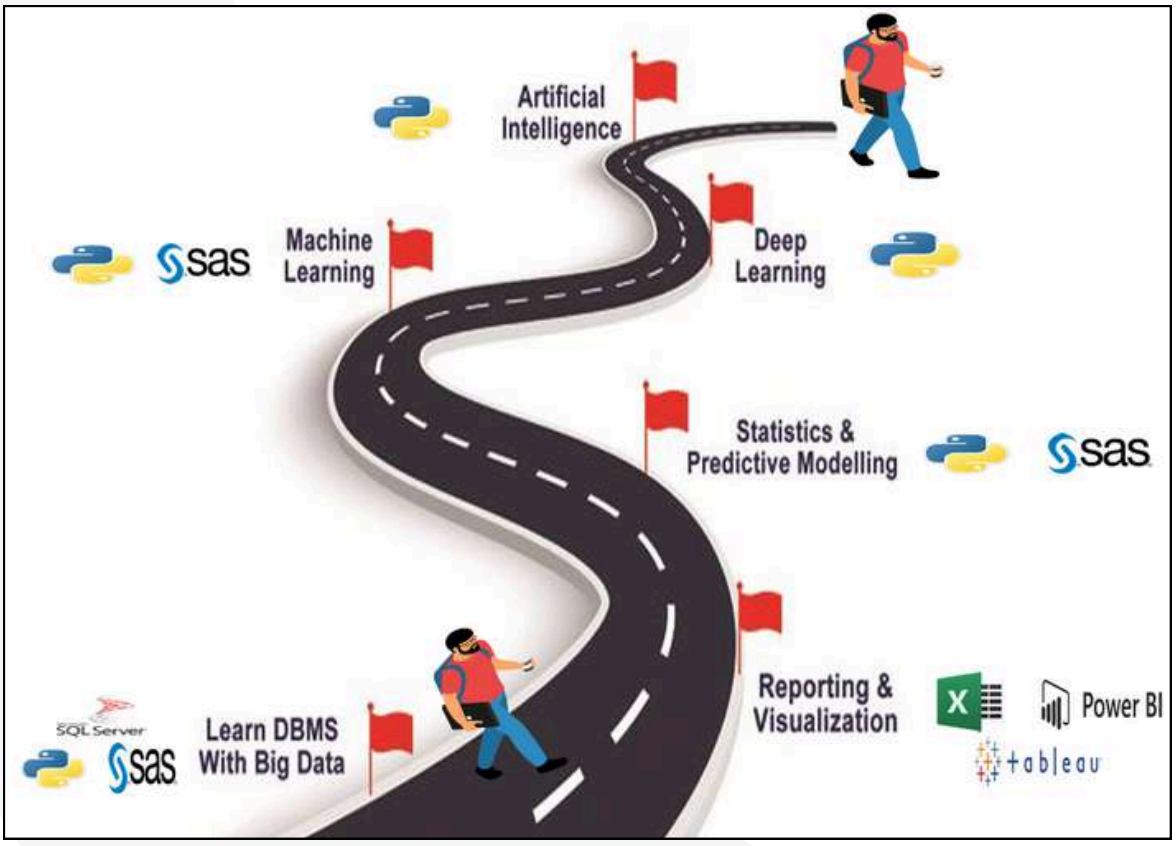
Statistics and Probability for Data Analysis
- Descriptive and Inferential Statistics
- Hypothesis Testing and Data-driven Decision Making
- Predictive Modeling

Machine Learning & Gen AI
- Introduction to Machine Learning Concepts
- Supervised learning (Regression, Classification)
- Unsupervised learning (Clustering, Dimensionality Reduction)
- Model evaluation, validation, and tuning
- Text preprocessing and sentiment analysis
- Introduction to GANs, Variational Autoencoders (VAEs), and Transformers

Cloud Computing
- Experience with cloud services like AWS, Google Cloud, or Azure is advantageous for deployment and scaling.

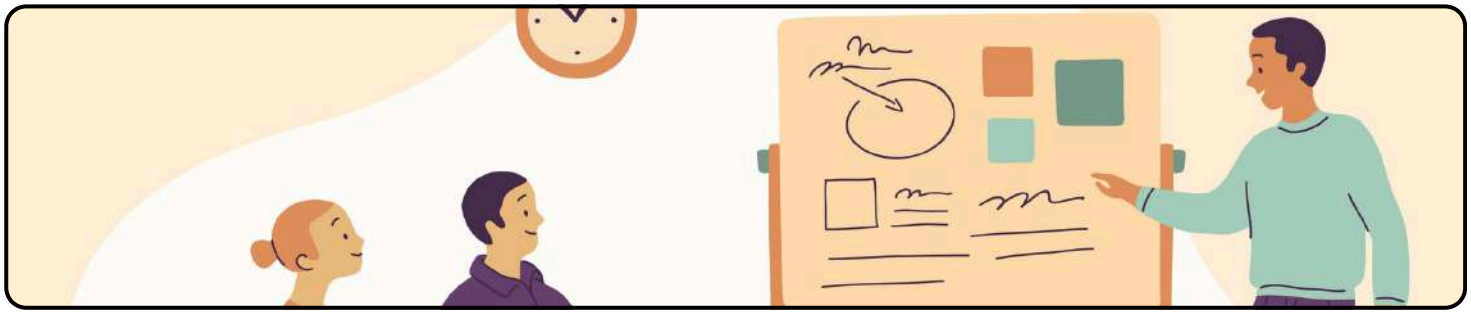
Capstone Projects
- Students will work on multiple real-world projects to apply their knowledge in practical scenarios. These projects will be aligned with industry requirements to enhance the students' portfolios.





TEACHING METHODOLOGY

- **Blended Learning Approach:** Combining live lectures with pre-recorded videos to ensure flexibility in learning and enable students to revisit complex topics at their own pace.
- **Hands-On Assignments and Projects:** Assignments designed to simulate real-world data challenges, helping students gain confidence in tackling industry scenarios.
- **Small Batch Sizes:** Ensuring personalized attention to each student and promoting better interaction during sessions.
- **Case Studies:** Analyzing real-world business problems using data analytics techniques to enhance problem-solving skills.
- **Live Sessions:** 3-4 sessions per week (both online and offline modes available). Live Sessions: 3-4 sessions per week (both online and offline modes available).
- **Industry Mentors:** Weekly mentoring sessions by industry professionals to provide real-world insights.
- **Hands-on Training:** Extensive practical exercises with datasets used in various industries, ensuring students understand the application of theories.
- **Doubt Clarification Sessions:** Weekly sessions for addressing student queries and challenges.



Placement Support (6 Months):

Objective: To ensure that students are fully prepared for placement opportunities by providing skill enhancement, interview training, and placement support.

PHASE 2: KEY ACTIVITIES:

Resume and LinkedIn Profile Building

- Workshops to help students craft professional resumes.
- Optimization of LinkedIn profiles to attract recruiters.

Mock Interviews and Assessment Tests

- Conducting multiple rounds of mock interviews focusing on technical, HR, and aptitude aspects.
- Online assessments to gauge and improve problem-solving abilities.

Interview Preparation and Soft Skills Training

- Training on communication skills, group discussions, and presentation techniques.
- Guidance on frequently asked questions in data-related interviews.

Industry Projects and Internships

- Opportunities to work on industry-based mini-projects or internships to boost real-world experience

Placement Assistance

- Dedicated Placement Cell: Our team will coordinate with recruitment partners to provide job opportunities.
- Job Fairs and Recruitment Drives: Hosting recruitment events in collaboration with various companies.

Additional Benefits for Students

- **Certification:** At the end of the program, students will receive a certification from DV Analytics, recognized by the industry and a valuable addition to their resumes.
- **Exposure to Industry Tools:** Training on industry-standard tools and software, giving students an edge in the job market.
- **Access to Course Material:** Lifetime access to course materials, recorded sessions, and project files.

Course completion certificate

DV Analytics
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IIT Guwahati

Certificate Id: 2067789

Electronics & ICT Academy

Supported by Ministry of Electronics and Information Technology (MeitY), Govt. of India

Indian Institute of Technology, Guwahati

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms.

Chandrakant Pradhan

has successfully completed the Offline Executive Certification

"Industrial Data Science"

organized by **Electronics & ICT Academy Indian Institute of Technology, Guwahati** in association with

DV Data & Analytics Private Limited

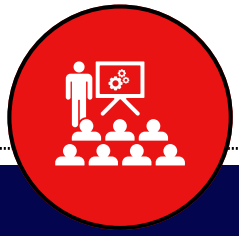
Held from 02-01-23 to 03-11-2023

Dr. Gaurav Trivedi
Principal Investigator
Electronics & ICT Academy
Indian Institute of Technology, Guwahati

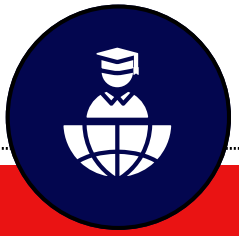
Director
Training Partner

Why DV Data & Analytics

14+ Years
Training & Consulting Platform

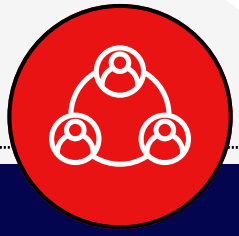


150+ Batches
Trained & Deployed

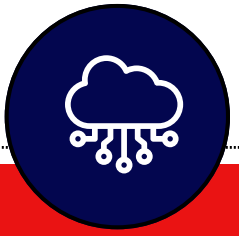


6000+
Students Worldwide

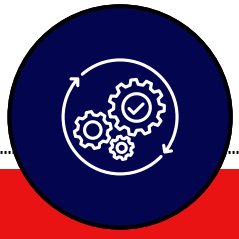
Good and quality placement record



250+
Corporate Connection

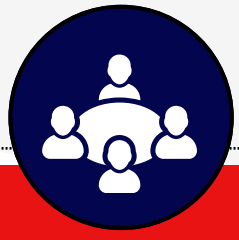


Own LMS
10000+ scalable access



50+ Industry
50+ Industry

IIT/IIMs
Industry Leaders & Expert Faculties



15+ Faculty
Strengths from the Industry

Our Founders

Mr. Debendra D Das

MBA in IT and Business Analytics, FPM & GMITE from IIMB and International School of Business Research (ISBR)

Mr. Das brings over 18 years of industry experience in the field of data science, having worked across healthcare, telecom, retail, and banking credit risk domains. He has trained more than 6,000 data science professionals, both in corporate settings and individually, for over a decade. Mr. Das is skilled in delivering industry-specific data analytics solutions, including DBMS reporting, visualization, and automated actions for strategy building using machine learning and artificial intelligence.

Professional Experience: UHG, Tata, IBM, HP and HSBC

Mr. Venkat Reddy Konasani

MSC Applied Mathematics, Indian Institute of Technology Bombay (IIT Bombay)

Mr. Venkat brings extensive industry experience as an applied Data Analyst and Data Scientist, with 15 years in the field. Additionally, he has over 8 years of experience as a Corporate Trainer, having handled nearly 100 corporate batches. **Venkat is the author of the books 'Practical Business Analytics Using SAS' and 'Machine Learning and Deep Learning using Python and TensorFlow.'** His expertise spans credit risk model building, market response model building, social media analytics, and machine learning.

Professional Experience: CITI, HSBC & HP

Our Success

Cathrin
MSC, KERALA
ANZ

Bhanu Pratap
B.TECH, ODISHA
EXL

Ujwal Kiran
B.TECH, KARNATAKA
J.P.Morgan

Ashutosh
B.TECH, BIHAR
Birlasoft

Nagraj Patil
B.TECH, KARNATAKA
HSBC

Amarnath
B.TECH, AP
SIGMA SOLVE

Bhavishya
B.TECH, KARNATAKA
J.P.Morgan

Apoorupa
B.TECH. AP
WELLS FARGO

Shivani Rajput
B.TECH, MP
EXL

Asha Naik
BE, KARNATAKA
kotak

Vasant M
BE, TAMILNADU
LUMINA DATAMATICS

Vikas Singh
B.TECH, UP
genpact

Shakti Mishra
B.TECH, ODISHA
FedEx

Jhasaketan
B.TECH, ODISHA
iOPEX

Praveen Palle
B.TECH, AP
iOPEX

Our Success

Bhupit Bhel
B.TECH, MP
ANZ

Vineet
MBA, UP
citi

Sreenivas
B.TECH, AP
EQUIFAX

Abhishek
B.TECH, BIHAR
cube

Gowtham
B.TECH, KARNATAKA
WELLS FARGO

Shrikant
B.TECH, UP
Landmark

Vikash Gupta
B.TECH, UP
citi

Jaspreet Singh
B.TECH. DELHI
genpact

Amit Kumar
B.TECH, MAHARASTRA
BAJAJ FINSERV

Niranjan
BBA, UP
EXL

Chinthan C
BE, KARNATAKA
ALSHAYA

Manish Kumar
BSC, PATNA, BIHAR
citibank

Nishitha B M
B.TECH, KARNATAKA
HSBC

Manisha
B.TECH, JHARKHAND
Northern Trust

Pritish Kalyan
B.TECH, ODISHA
WELLS FARGO

Our Success

Anvesh Jaiwant
B.TECH, PUNE
Mindtree

Suprabha
MCA, ODISHA
Cognizant

Kopparthi
BSC, AP
wipro

Mansih Kumar
BSC, PATNA, BIHAR
EY

Prabhakar
B.TECH, MUMBAI
kotak

Bharath B
BE, KARNATAKA
synchrony

Raman Sharma
MBA, UP
aventior

Amritanshu
B.TECH. PATNA, BIHAR
Goldman Sachs

Kajal Aggrawal
B.TECH, DELHI
adidas

Vaibhav Shukla
MBA, UP
SIGMOID

Shobit Pateriya
MBA, MP
BARCLAYS

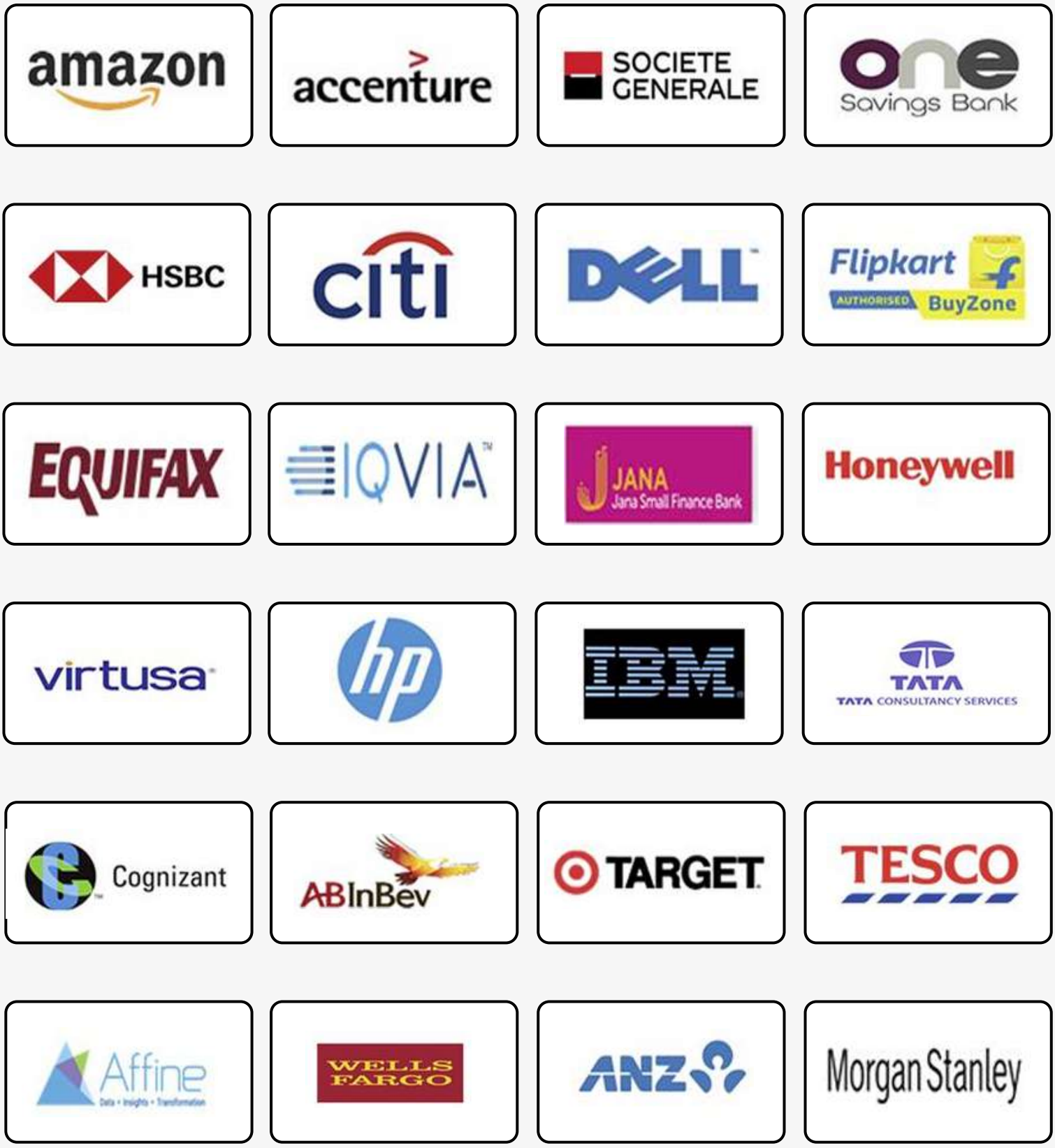
Akash Saini
B.TECH HP
EXL

Kaushal Kumar
B.TECH, DELHI
Landmark

Harish Dash
B.TECH, ODISHA
Northern Trust

Anivesh
M.TECH, CHHATISHGARH
Northern Trust

Companies our alumni connect



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