Quelify Learn

PG DIPLOMA IN DATA SCIENCE AND AI

CONTENT

ABOUT QUALIFY LEARN

Qualify Learn envisions a world where education knows no boundaries. Our mission is to break down barriers and provide equitable access to exceptional learning experiences

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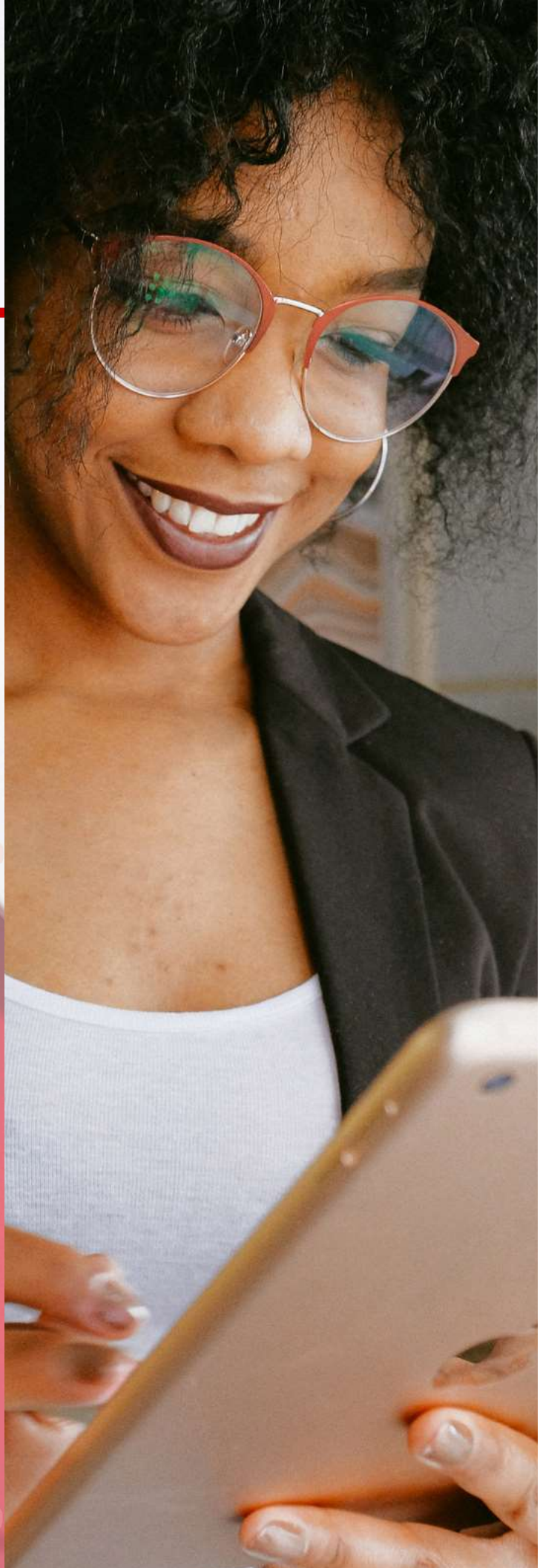
Qualify Learn was founded on the belief that access to high-quality education should not be limited by physical distances or traditional classroom settings in today's dynamic digital world. With this vision, we are committed to delivering top-tier education right to your doorstep.

Born with a mission to redefine 21st-century education, Qualify Learn strives to make learning more accessible, flexible, and personalized to individual needs. We take pride in being a pioneer in the online education space, shaping the futures of countless learners worldwide.

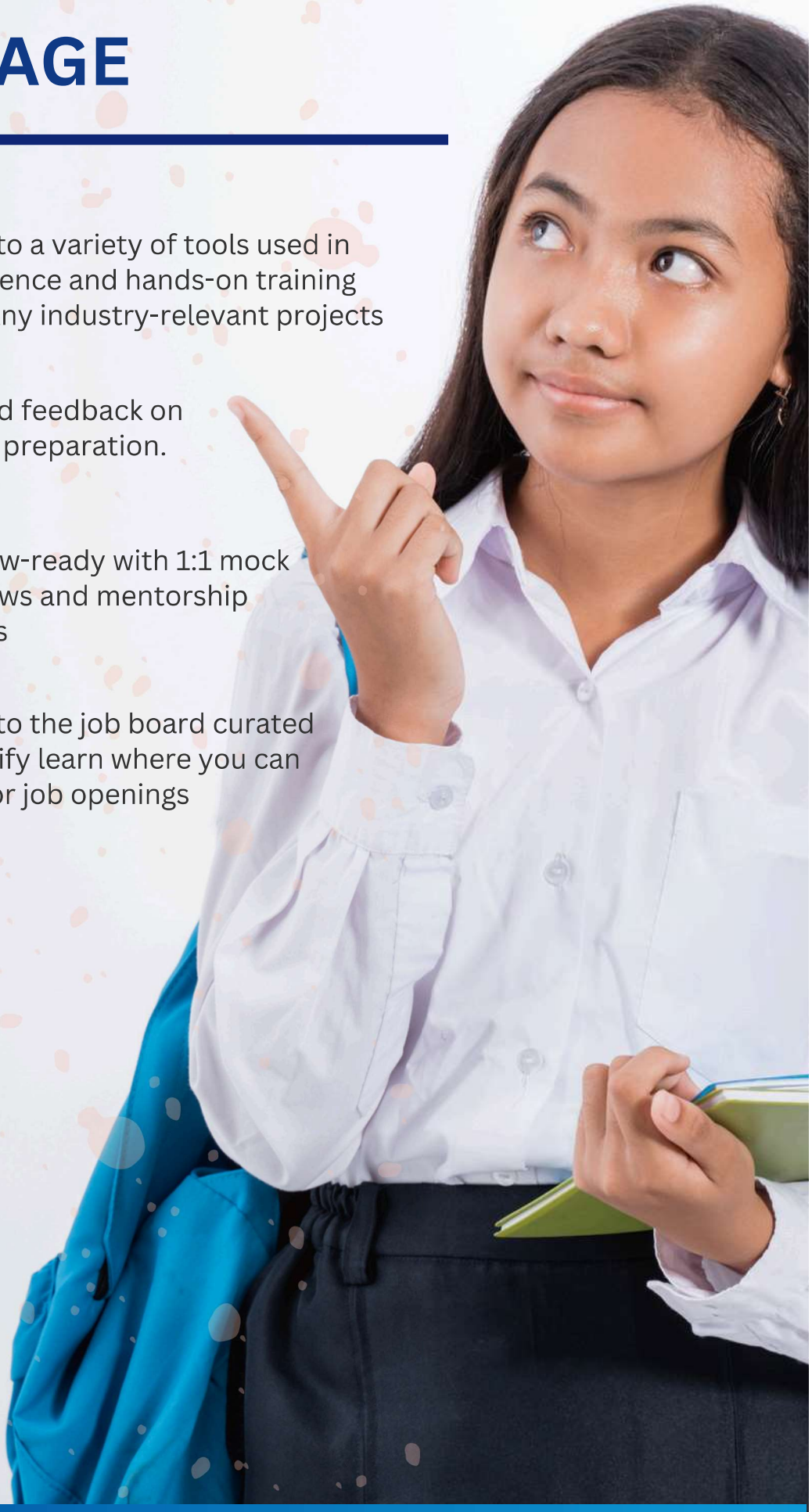
KEY FEATURES

- **1:1 Free Unlimited Doubt clearing Session**
- **1:1 Personalised Mentorship**
- **100% Job Guarantee**
- **Online Live Classes**



QUALIFY LEARN ADVANTAGE

- Access to a variety of tools used in data science and hands-on training with many industry-relevant projects
- AI-based feedback on resume preparation.
- Interview-ready with 1:1 mock interviews and mentorship sessions
- Access to the job board curated by Qualify learn where you can apply for job openings



ABOUT PG DIPLOMA IN DATA SCIENCE AND AI

Qualify Learn has developed an innovative program focused on the importance of an academic foundation for building a strong career in Data Science and AI. This research-based curriculum offers a deep understanding of data science applications in today's technological landscape, equipping students with both theoretical knowledge and practical skills relevant to business and society.

Graduates of the PG Diploma in Data Science and AI will emerge as skilled professionals ready to take on diverse roles such as Data Scientists, AI Researchers, and Entrepreneurs. The program emphasizes hands-on experience through real-life industry projects guided by experts, empowering students to harness cutting-edge technologies and frameworks.

Key topics include Python, Machine Learning, Deep Learning, NLP, and SQL, ensuring students are well-versed in essential components of Data Science. By joining this program, data enthusiasts and professionals can enhance their expertise with a curriculum designed in collaboration with industry leaders. Enroll in the PGP in Data Science and AI today to accelerate your career in this dynamic field.

650%
Data Science sector has witnessed a massive hike of 650%, far outpacing other sectors.

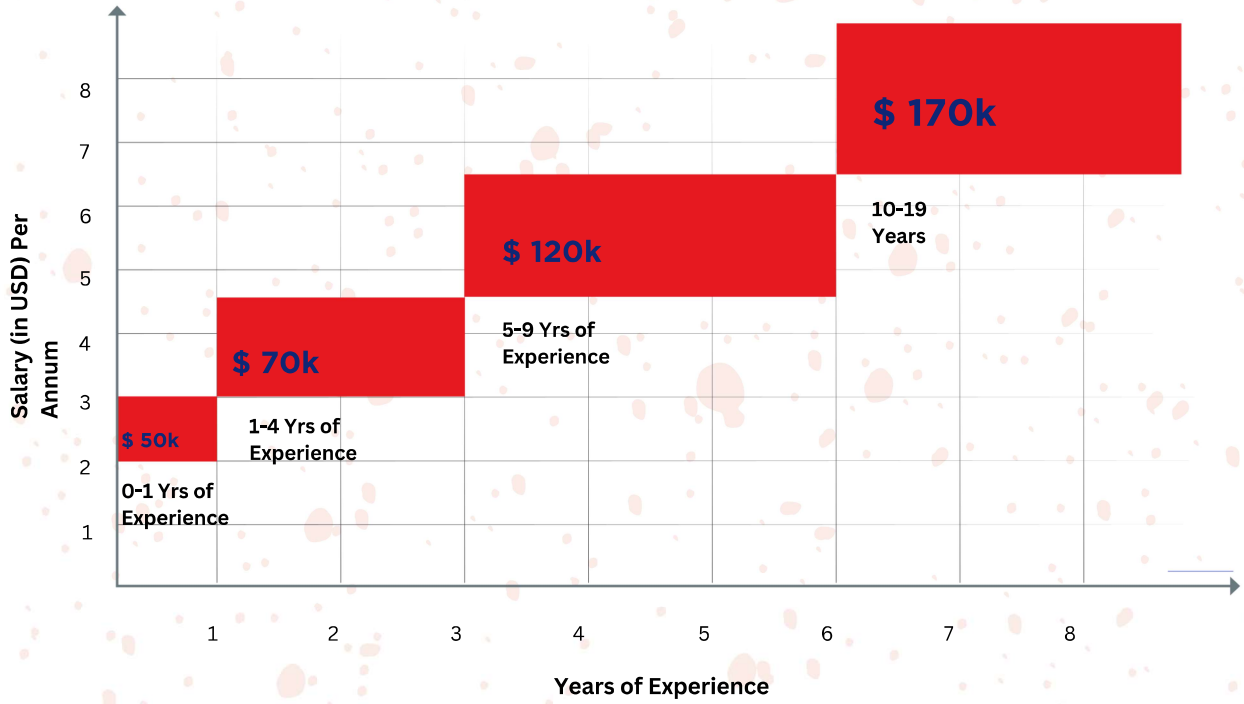
61%
Jobs are open for candidates with 0-5 years experience.

2.7 MILLION
The 2024 global estimate calls for 2.7 million job postings for analytics and data science roles.

39%
The Global Data Science market is projected to advance at a CAGR of 39% to reach $195 Billion.

2024
Globally to become one of the top five skills for jobs in 2024.

CAREERS IN DATA SCIENCE



Data Science opens doors to an array of exciting career paths, from uncovering insights as a Data Analyst to shaping the future of AI. You could dive into roles like Data Scientist, where you unravel complex patterns, or step into a Machine Learning Engineer's shoes, crafting algorithms that learn and adapt. Whether it's optimizing business strategies as a Business Intelligence Analyst, designing data solutions as a Data Architect, pushing the boundaries of AI as a Deep Learning Engineer, or bringing data to life as a Visualization Specialist, the possibilities are virtually limitless. The field is rich with roles like AI/ML Developer, Decision Scientist, and even AI Analysts, ready to challenge and inspire those with a passion for data-driven innovation.

PROGRAM HIGHLIGHTS

1 Comprehensive Cirriculum

Covers key areas including statistics, machine learning, data visualization, and big data technologies.

2 Hands-On Project

Engage in real-world projects that enhance your portfolio, allowing you to apply learned concepts to solve actual business problems.

3 Expert Faculty

Learn from industry professionals and experienced educators who provide insights into current trends and best practices in data science.

4 State-of-the Art Tools

Gain proficiency in popular data science tools and languages such as Python, R, SQL, TensorFlow, and Tableau.

5 Networking and Career Support

Access to industry events, guest lectures, and career counseling to help you connect with potential employers and advance your career.

6 100% Job Placements

Join our data science program and enjoy a 100% job placements upon completion. Gain hands-on skills, industry-relevant knowledge, and personalized career support to ensure your success in the job market.

PROGRAM OUTCOME

Upon Completion of this Program, you will

Build a Strong Foundation: Gain a solid understanding of machine learning, artificial intelligence, deep learning, and other essential components of data science.

Master Key Tools: Become proficient in analytical tools and technologies such as Python, MySQL, and Power BI.

Frame Business Problems Analytically: Acquire the skills to translate business challenges into structured analytical frameworks using statistics and data modeling.

Enhance Career Prospects: Position yourself as a competitive candidate for roles in data science and other data-intensive and AI-driven fields.

Cultivate a Business Mindset: Learn to leverage data-driven insights for informed business decisions.

Integrate Data into Decision-Making: Develop strategies for incorporating data-driven approaches in business and organizational contexts.

Explore Advanced Techniques: Gain expertise in deep learning and natural language processing (NLP).

ELIGIBILITY CRITERIA AND APPLICATION PROCESS

Who can apply?

- Hold an engineering or statistics degree or any of the MCA/ M.Sc (IT)/ MBA/ BCA/ B.Sc (IT) degrees.
- 0-3 years of work-ex when you graduate from this program; 2020 and onwards graduates.

Application process

STEP 1
Apply by filling a simple online application form

STEP 2
Admissions committee will review and shortlist.

STEP 3
Shortlisted candidates need to appear for an online aptitude test.

STEP 4
Screening call with Alumni/ Faculty

COURSE STRUCTURE

Module 1

Introduction to Data Science

- Overview of Data Science and its importance
- Data Science lifecycle and methodologies
- Key concepts: Data, Information, Knowledge

Module 2

Programming For Data Science

- Python/R for Data Analysis
- Introduction to libraries (Pandas, NumPy, Matplotlib, Seaborn)
- Basic programming concepts and data structures

Module 3

Statics and Probability

- Descriptive and inferential statistics
- Probability distributions
- Hypothesis testing and statistical significance

Module 4

Data Wrangling and Preprocessing

- Data cleaning techniques
- Handling missing data and outliers
- Data transformation and feature engineering

Module 5

Exploratory Data Analysis (EDA)

- Techniques for visualizing data
- Identifying patterns and trends
- Use of tools like Tableau or Power BI

Module 6

Machine Learning Fundamentals

- Supervised vs. unsupervised learning
- Key algorithms: Linear regression, decision trees, clustering, etc.
- Model evaluation metrics and validation techniques

Module 7

Advance Machine Learning

- Deep learning introduction (Neural Networks)
- Natural Language Processing (NLP)
- Model tuning and optimization

Module 8

Big Data Technologies

- Introduction to big data concepts and tools (Hadoop, Spark)
- NoSQL databases (MongoDB, Cassandra)
- Data storage and retrieval techniques

Module 9

Data Visualization

- Best practices for data visualization
- Advanced visualization tools and libraries (Tableau, Plotly)
- Storytelling with data

Module 10

CapStone Project

- Real-world data science project
- Application of all learned concepts and techniques
- Presentation of findings to stakeholders

Module 11

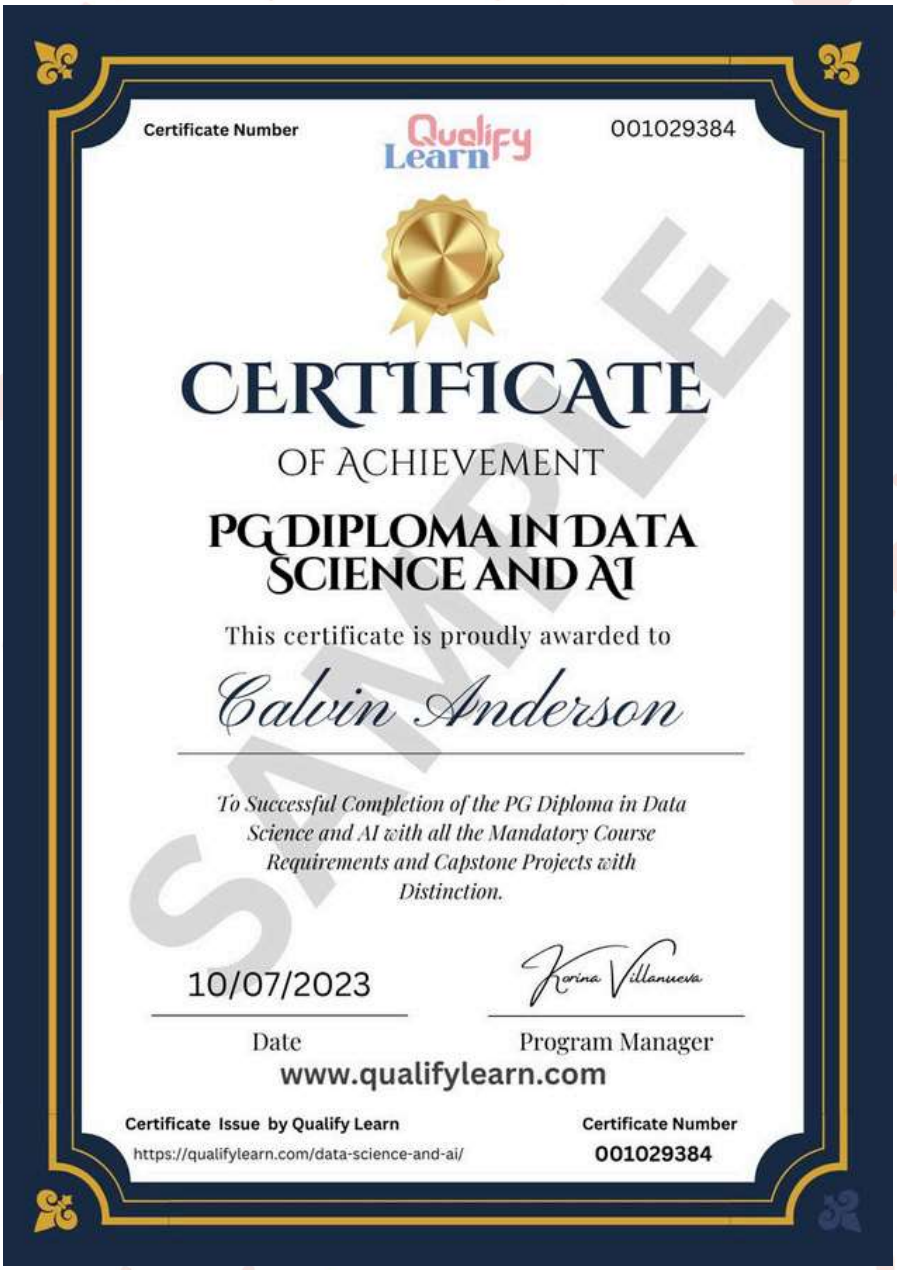
Industry Applications of Data Science

- Case studies in various sectors (finance, healthcare, marketing)
- Ethical considerations in data science
- Trends and future of data science

Optional Elective

- Time Series Analysis
- Data Mining Techniques
- Data Science for Business

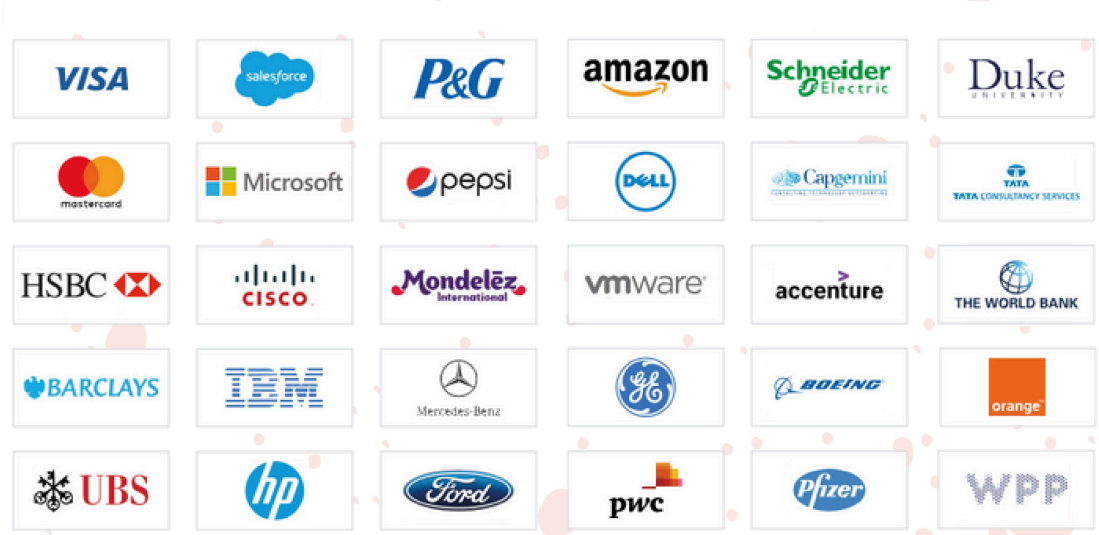
CERTIFICATES



Upon successfully completing this Master's program, you will be awarded certificates from Qualify Learn for the Data Science courses included in the learning path. These certificates will validate your expertise as a Data Scientist. Additionally, you will earn an industry-recognized Master's Certificate from Qualify Learn upon completion of the program.

CORPORATE TRAINING

OUR HIRING PARTNERS:



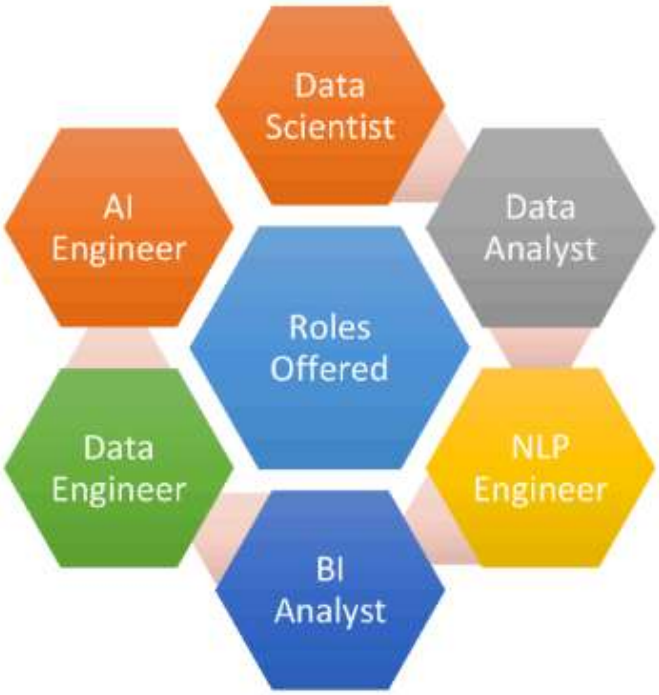
Features of Corporate Training:

- Tailored learning solutions
- Flexible pricing options
- Enterprise-grade learning management system (LMS)
- Enterprise dashboards for individuals and teams
- 24X7 learner assistance and support

CAPSTONE PROJECT

- Predictive Analytics
- Natural Language Processing (NLP)
- Image Classification
- Recommendation Systems
- Time Series Forecasting
- Healthcare Analytics
- Fraud Detection
- Customer Segmentation
- Churn Prediction
- Data Visualization Dashboard
- Social Network Analysis
- Geospatial Analysis

ALUMNI HIGHLIGHTS



. 400+

Global Companies

. $120K PA

Average CTC

. $255K PA

Highest CTC

. 89%

Average Salary Hike

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