

DATA SCIENCE ADVANCED PROGRAM





We genuniely care for your dreams and be a path for your success!

That's why our career focused programs seamlessly combine theory with practices, equipping you with real-world skills for employer's value

Ensuring you're not just ready for the next step but also for the future at large, we offer exclusive modules on leveraging generative AI in your field



Build Portfolio

Learn and perfect your skills - hands on by working on industry relevant projects to build a solid portfolio



Get Placement Ready

Gain the most In demand skills to launch switch, or advance your career with actionable programs across fields



Community Building

Enjoy the best peer led learning with tons of events while

networking & building lifelong relationships

Data Science is ever evolving & YOU need to evolve with it!

In today's rapidly advancing digital age, data science has become a cornerstone for driving innovation and adapting to ever-changing consumer behaviors.

Leveraging technologies like AI, machine learning, and advanced analytics, data science empowers businesses to extract actionable insights, optimize decision-making, and create personalized experiences that lead to measurable outcomes.

Data science is no longer just a competitive advantage it's a necessity for organizations aiming to thrive. Data scientists play a pivotal role in transforming raw data into meaningful strategies, enabling businesses to achieve specific goals and succeed in an increasingly data-driven world.

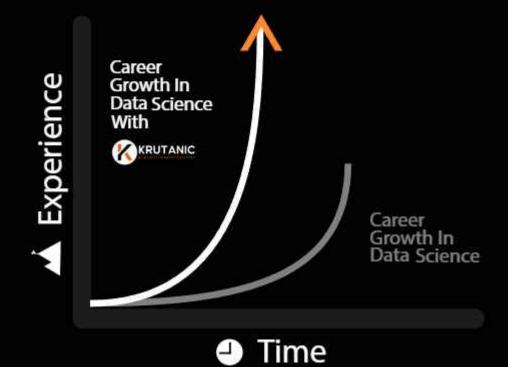
\$361.44 BILLION

Global Data Science market by 2033...

#5 MOST IN - DEMAND SKILLS

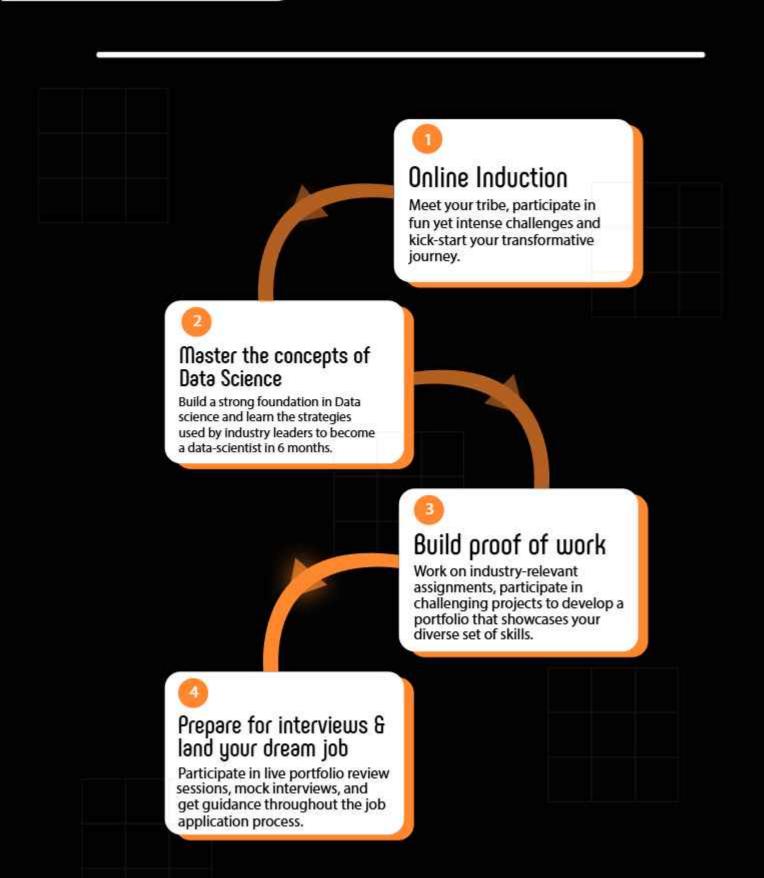
24000+

Job opening's in India



How will the Data Science will help you achieve your Dream?

THEY SAW THEIR CAREERS TRANSFROM & YOU CAN TOO HERE'S HOW?



132000+

Job opening's worldwide

Data Scientist

Data Engineer

Machine Learning Engineer

Business Intelligence Analyst

Al Research Scientist

Data Analyst

Big Data Specialist

Quantitative Analyst

Data Architect

Data Product Manager

Data Scientist Intern

Data Science Consultant

Data Science Manager

Data Science Trainer

Data Science Researcher



Data Science Tools

































This module covers the fundamentals of both supervised and unsupervised learning, and explores complex algorithms for solving advanced machine learning problems.

Students will learn about ensemble methods like random forests, boosting, and bagging, along with techniques for model evaluation, cross-validation, and hyperparameter tuning.

- Supervised and Unsupervised Learning
- Ensemble Methods (Random Forest, XGBoost, etc.)
- Model Evaluation and Metrics
- Cross-Validation Techniques
- Hyperparameter Tuning and Optimization

LEARNING OUTCOME

By completing this module, Students will learn advanced supervised and unsupervised machine learning algorithms, ensemble methods, model evaluation, and hyperparameter then you'll explore Convolutional Neural Networks (CNNs) and Recurrent Neural Networks (RNNs), along with optimizations such as dropout and learning rate schedules.



Deep Learning with Tensorflow and Keras

Students will dive into deep learning models using TensorFlow and Keras. This module emphasizes building neural networks for tasks such as image recognition and natural language processing (NLP).

- Neural Networks Fundamentals
- Convolutional Neural Networks (CNNs)
- Recurrent Neural Networks (RNNs) and LSTM
- TensorFlow & Keras Basics
- Model Optimization and Fine-Tuning

LEARNING OUTCOME

Involves training neural networks with many layers to recognize patterns in large datasets, often used for image, speech, and text recognition.

A popular open-source library for building and deploying deep learning models. It provides a wide range of tools for data processing, model training, and deployment across various platforms.



Big Data Analytics

Learn to manage, analyze, and process large datasets using big data tools such as Hadoop and Apache Spark. This module provides practical experience with distributed data storage, processing pipelines, and real-time data analysis tools.

- Hadoop Ecosystem Overview
- Apache Spark for Big Data Processing
- NoSQL Databases (MongoDB, Cassandra)
- Building Data Pipelines
- Real-Time Data Processing with Kafka & Spark

LEARNING OUTCOME

Students will work with tools like Hadoop and Spark to process and analyze large-scale data, gaining expertise in distributed computing and real-time data analysis.



Feature Engineering and Model Optimization

In this module, you'll gain hands-on experience in preparing data and optimizing models. Key techniques like feature extraction, selection, dimensionality reduction, and regularization are covered, enabling students to build more efficient and effective models.

- Feature Extraction and Transformation
- Feature Selection Algorithms
- Dimensionality Reduction (PCA, t-SNE)
- Regularization Techniques (L1, L2, ElasticNet)
- Model Tuning with Grid Search and Random Search

LEARNING OUTCOME

Involves creating new, relevant features from raw data to improve the model's predictive power. This can include selecting, transforming, or creating new features based on domain knowledge.

Focuses on fine-tuning model parameters, such as adjusting learning rates, choosing the best algorithm, and using techniques like cross- validation to reduce overfitting and improve accuracy.



Week 8

Al Applications and Real-World Case Studies

Students will apply AI techniques to solve real-world problems across various industries such as healthcare, finance, and retail. This module includes analyzing case studies to identify practical uses for machine learning models and deploying them to solve challenges like fraud detection and predictive analytics.

- Al in Healthcare, Finance, Retail, and More
- Fraud Detection and Anomaly Detection Models
- Predictive Analytics for Business Intelligence
- Industry-Specific Case Studies
- Deployment Strategies for Al Models

LEARNING OUTCOME

Students will apply Al to solve real-world business problems like fraud detection and predictive analytics, gaining insights into industries like healthcare and finance.





Natural Language Processing

This module focuses on text processing and analysis techniques for natural language understanding. Students will work on applications such as sentiment analysis, text classification, and named entity recognition (NER), leveraging state-of-the-art models like BERT and GPT.

- Text Preprocessing (Tokenization, Lemmatization)
- Sentiment Analysis and Text Classification
- Named Entity Recognition (NER)
- Word Embeddings (Word2Vec, GloVe, FastText)
- Transformer Models (BERT, GPT)

LEARNING OUTCOME

Students will master NLP techniques such as sentiment analysis, named entity recognition, and the use of transformer models like BERT for language understanding.



Data Visualization and Communication

Learn Effective data visualization to making data insights understandable and actionable. This module will teach you how to create interactive dashboards and visually communicate data findings using Python libraries like Plotly and Tableau.

- Advanced Visualization Tools (Matplotlib, Seaborn)
- Interactive Dashboards with Plotly/Dash
- Building Business Dashboards (PowerBl, Tableau)
- Data Storytelling and Reporting
- Presenting Results to Stakeholders

LEARNING OUTCOME

Students will learn how to visualize data and communicate insights effectively using tools like Tableau and Python libraries, enhancing their ability to present data to stakeholders.



Weeks 13-14

Cloud Computing for Data Science

Cloud platforms provide powerful resources for scaling machine learning workflows. This module will introduce cloud-based tools like AWS, GCP, and Azure to process, store, and deploy machine learning models at scale.

- Overview of Cloud Platforms (AWS, Azure, Google Cloud)
- Cloud Data Storage and Management (S3, BigQuery, Azure Data Lake)
- Serverless Computing for Data Pipelines
- Al and ML in the Cloud (AWS SageMaker, GCP Al Platform)
- Automating Data Science Workflows with Cloud Tools

LEARNING OUTCOME

Students will explore cloud platforms like AWS and GCP to run data science models, enabling scalable and efficient processing of large datasets.



Weeks 15-16

Ethical Al and Responsible Data Science

Explore the ethical challenges posed by Al and machine learning. This module covers topics like model fairness, data privacy, transparency, and the societal impact of Al systems, ensuring that students can develop responsible Al solutions.

- Bias in Machine Learning Models
- Ethical Implications and Fairness in Al
- Privacy and Data Protection (GDPR, CCPA)
- Al Transparency and Accountability
- Building Responsible Al Solutions

LEARNING OUTCOME

Students will gain experience with time series analysis and forecasting using ARIMA models and LSTM networks to predict trends in stock prices and other sequential data.



Capstone Project and Career Preparation

This final module provides students with the opportunity to apply everything they have learned by working on an industry-level data science project.

Capstone Project : Fraud Detection in Financial Transactions & Capstone Project

LEARNING OUTCOME

Students will develop fraud detection models using anomaly detection methods, and apply everything learned to a Capstone Project, showcasing their expertise.



Placement Preparation

It also focuses on career preparation, including resume building, mock interviews, and job search strategies.

- Building a Strong Data Science Portfolio
- ATS friendly Resume Building for Data Science Roles
- Personality Development
- Mock Interviews and Feedback Sessions
- Placement Assistance and Job Search Strategies

LEARNING OUTCOME

Prepare for a successful job search and interviews with a professional portfolio and job-ready skills. Upon completing the Data Science Advanced Program, you'll earn a certificate, highlighting your skills and expertise.

Showcase
your new
abilities
and build a
stronger
professional
portfolio...



All Data Science Concepts, Strategies, Assignments, Tools & Community Events At One Affordable Price

61,999 (Including GST) 24 weeks | 60 Seats per cohort

- Access to an Exclusive Community of Top Marketers and Industry Professionals.
- One-Year Access to Comprehensive Course Materials, Including Pre-reads and Training Resources.
- Exclusive Invitations to Physical Events, Networking Meetups, and Workshops.
- Personalized Guidance from Guest Mentors with Experience in Leading Startups.
- Real-World Insights and Strategies to Accelerate Your Marketing Career.

Our Alumni's



SONY





































I'm all in! How should I sign up?

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Fill out the application form



Application review by experts



Selected candidate will recive an offer

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Apply now

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