Call Us Today!

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Testimonial

"Coming from a small town in Andhra Pradesh, I had very little exposure to data science. This course helped me learn Python, machine learning, and real-time projects. Now I'm working as a Data Analyst in Hyderabad. It's a great platform for Telugu students like me."

— Rajesh K., Nellore

"I was working as a support engineer and wanted to switch to data science. With the help of this course, I gained hands-on experience in Python, ML, and data visualization. I've completed my capstone project and even uploaded it to GitHub!"

— Swetha Rani, Warangal

RUVERA
Digital Learning

Technology Services Professional IT Services

Technology solutions for smarter and more efficient businesses!

ABOUT US

We believe every learner has the potential to shine in the IT industry. Our mission is to guide you step by step — from your first line of code to your first job offer. With caring mentors, real-time projects, and industry-relevant skills, we turn your dreams into a career you can be proud of.

REASONS WHY YOU SHOULD CHOOSE OUR SERVICES

Our advantages are:

- Learn from expert mentors, get one-on-one guidance, and master the latest technologies through hands-on projects and internships.
- Build real-world applications, prepare for interviews, and gain practical skills employers value.
- Benefit from strong placement support and a proven record of student success in top IT companies.

COMPANY VISION AND MISSION

Our Vision

To become a trusted technology partner that helps companies innovate and grow in the digital world.

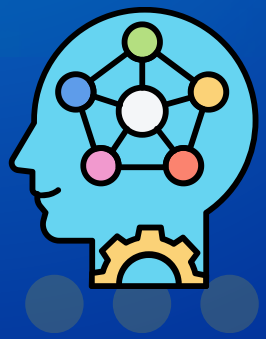
Our Mission

- Providing relevant and effective technology solutions.
- Providing services with the best quality and competitive prices.

🧊 Data Science Course Structure

📍 **Duration: 4 to 9 months**

• Beginners interested in data science
• IT professionals aiming to switch careers
• Analysts, statisticians, engineers looking to upskill



🧠 **Module 1: Introduction to Data Science**

• What is data science?
• Data science lifecycle and process
• Types of data: structured, unstructured, semi-structured
• Role of a data scientist

🐍 **Module 2: Python for Data Science**

• Python basics (syntax, variables, data types)
• Control flow, functions, modules
• Libraries: NumPy, Pandas basics
• Jupyter notebooks and environment setup

🗃️ Data Science Course Structure

🧹 Module 3: Data Collection and Data Wrangling

- Data collection methods and sources
- Data cleaning techniques
- Handling missing values, duplicates, outliers
- Data transformation and normalization
- Exploratory Data Analysis (EDA) with Pandas, Matplotlib, Seaborn

📊 Module 4: Statistics & Probability for Data Science

- Descriptive statistics
- Probability theory and distributions
- Hypothesis testing and confidence intervals
- Correlation and covariance
- Statistical significance

📈 Module 5: Data Visualization

- Principles of data visualization
- Visualization libraries: Matplotlib, Seaborn, Plotly
- Creating different charts: bar, line, scatter, histogram, heatmaps
- Dashboarding basics (optional): Tableau, Power BI overview

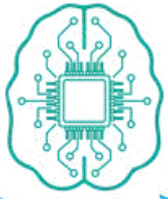
🧊 Data Science Course Structure

🤖 Module 6: Machine Learning Fundamentals

- Introduction to machine learning
- Supervised vs unsupervised learning
- Common algorithms: Linear regression, Logistic regression, Decision trees, KNN, K-means clustering
- Model evaluation metrics: accuracy, precision, recall, F1 score, ROC-AUC
- Overfitting, underfitting, cross-validation

🧬 Module 7: Advanced Machine Learning

- Ensemble methods: Random Forest, Gradient Boosting
- Support Vector Machines (SVM)
- Dimensionality reduction (PCA)
- Introduction to Neural Networks and Deep Learning (basic)
- Hyperparameter tuning and Grid Search



🗣️ Module 8: Natural Language Processing (NLP) Basics

- Text preprocessing
- Bag of Words, TF-IDF
- Sentiment analysis
- Basic NLP libraries: NLTK, spaCy

🧊 Data Science Course Structure

💾 Module 9: Big Data & Tools

• Introduction to Big Data concepts
• Hadoop ecosystem overview
• Apache Spark basics
• Cloud platforms overview (AWS, Azure, GCP)

🔄 Module 10: Data Science Project Lifecycle

• Problem definition and requirement gathering
• Data acquisition and preparation
• Model building and evaluation
• Deployment basics (Flask API overview)
• Reporting and visualization

🏁 Module 11: Capstone Project

• End-to-end data science project (e.g., sales prediction, customer churn, image classification)
• Data collection, cleaning, modeling, and presentation
• Documentation and GitHub portfolio

Data Science Course Structure

🧰 Tools & Technologies Covered

Programming
Python, Jupyter Notebook
Data Handling
Pandas, NumPy
Visualization
Matplotlib, Seaborn, Plotly
Machine Learning
Scikit-learn, XGBoost
NLP
NLTK, spaCy
Big Data
Hadoop (intro), Spark (intro)
Cloud
AWS/GCP/Azure basics (optional)

"Turn your curiosity into a career — master data, master your future."

"From raw data to real impact — unlock the power of data science today."