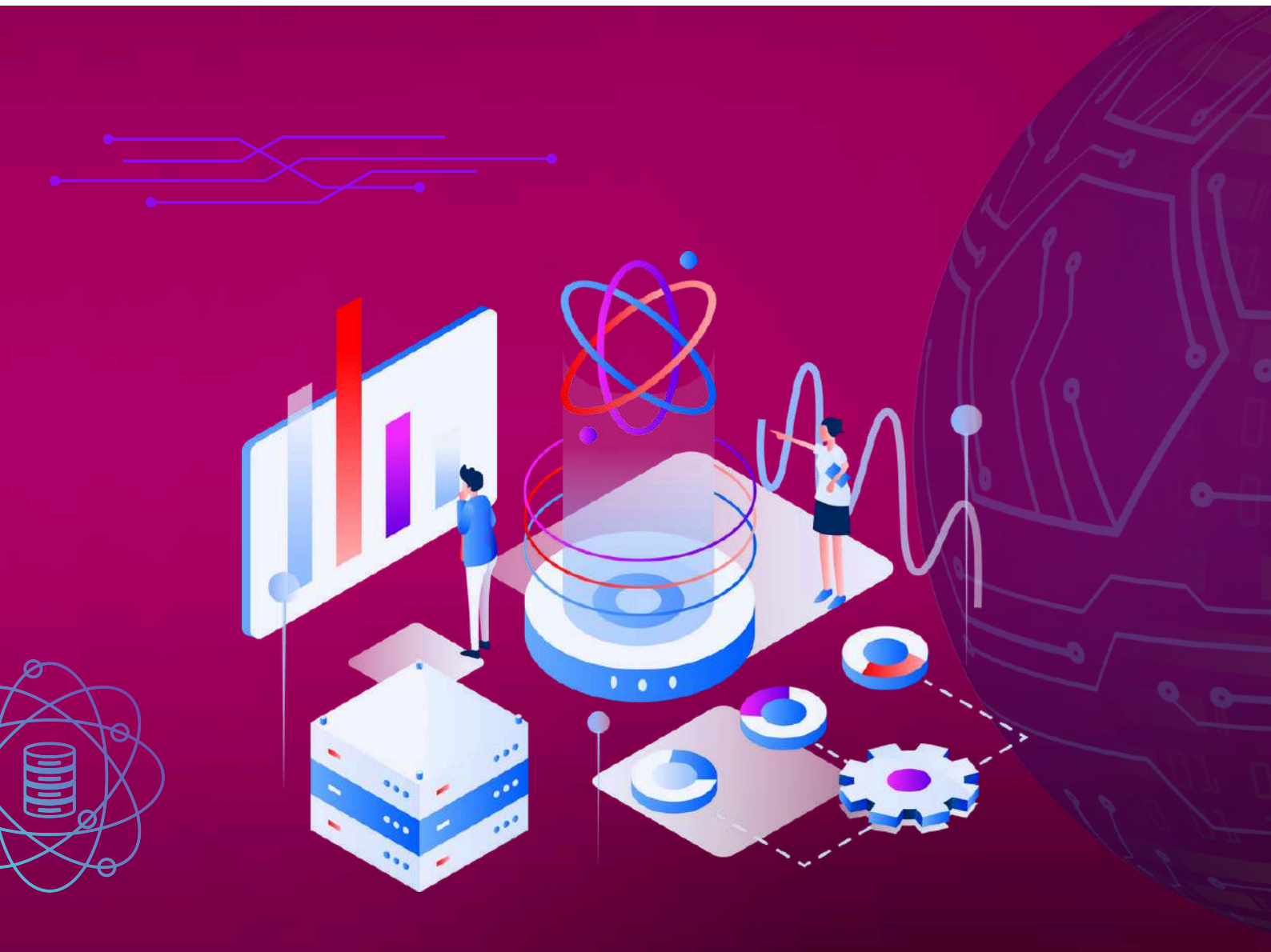


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INDUSTRIAL TRAINING PROGRAM

DATA SCIENCE

Explore the world of Data Science through Matplotlib, Pandas, Power BI, Excel, MySQL, NumPy, SciPy and Natural Language Processing, gaining the skills needed to extract insights and make informed decisions from diverse datasets.

Introduction to Data Science



This is an interdisciplinary field, and the foundations of data science include statistics, inference, computer science, predictive analytics, machine learning algorithm development, and new technologies to gain insights from big data.

Statistics Essentials for Data Science



- Introduction to Calculus
- Understanding the Data
- Descriptive Statistics
- Data Visualization Probability
- Probability
- Distributions
- Sampling and Sampling Techniques
- Inferential Statistics
- Application of Inferential Statistics
- Relationship Between Variables
- Application of Statistics in Business

Program Refreshner



Fundamentals of Programming | Introduction to Python Programming | Python Data Types and Operators | Conditional Statements and Loops in Python | Python Functions | Object-Oriented Programming | Concepts with Python | Threading

Data Science with Python



- Overview of Data Science
- Python Environmental Setup and Essentials
- Scientific Computing with Python (SciPy)
- Data Manipulation with Pandas
- Data Visualization in Python using Matplotlib
- Data Analysis
- Data Wrangling
- Data Visualization
- End-to-End Statistics Applications in Python

Introduction to Machine Learning



- Introduction to Machine Learning and Artificial Intelligence
- Data Preprocessing
- Supervised Learning
- Feature Engineering
- Supervised Learning-Classification
- Unsupervised Learning
- Time Series Modelling
- Ensemble Learning
- Recommender System

Tableau



- Core Tableau
- Creating Charts in Tableau
- Working with Metadata
- Filters
- Dashboard
- Applying analytics
- Modifications of Data Connections
- (LODS)

Business Analytics with Excel



- Introduction to Business Analytics
- Formatting Conditionals
- Formatting and Important Functions
- Analysing Data and Pivot Tables Dashboarding
- Business Analytics
- Data Analytics

Introduction to SQL



- Introduction to SQL
- Database Normalization and Entity Relationship Model
- Working with Database and Tables
- Working with Operators Constraints and Data Types
- Functions
- Triggers
- Subqueries Operators and Derived Tables in SQL

Power BI



- Introduction to Power BI
- Get and Prep Data like a Super-Nerd
- Develop Data-Nerd Prowess
- Generating Reports and Dashboards, Tips and Tricks

Data Science with R



- Introduction to R Programming
- Data Structures
- Data Visualization
- Statistics for Data Science
- Regression Analysis
- Classification
- Clustering
- Association

Natural Language Processing



- Introduction to NLP
- Natural Language understanding Techniques
- Natural Language Generation
- Natural Language Processing Libraries
- Natural Language with Machine Learning and Deep Learning
- Introduction to Speech Recognition
- Voice Assistant Devices Signal Processing

Capstone Projects

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The Capstone project represents the culmination of learning, allowing students to apply their skills to a real-world challenge. It showcases their expertise while addressing practical problems with innovative solution

- Social Media Ads Analytics
- Music Generation
- Wine quality Prediction
- Road Lane Line Detection
- Stock Price Prediction
- Predicting Restaurant Success
- Audio Snowflake
- Building Chatbots
- Uber Pickup Analysis

Tools Covered



Contact Us

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