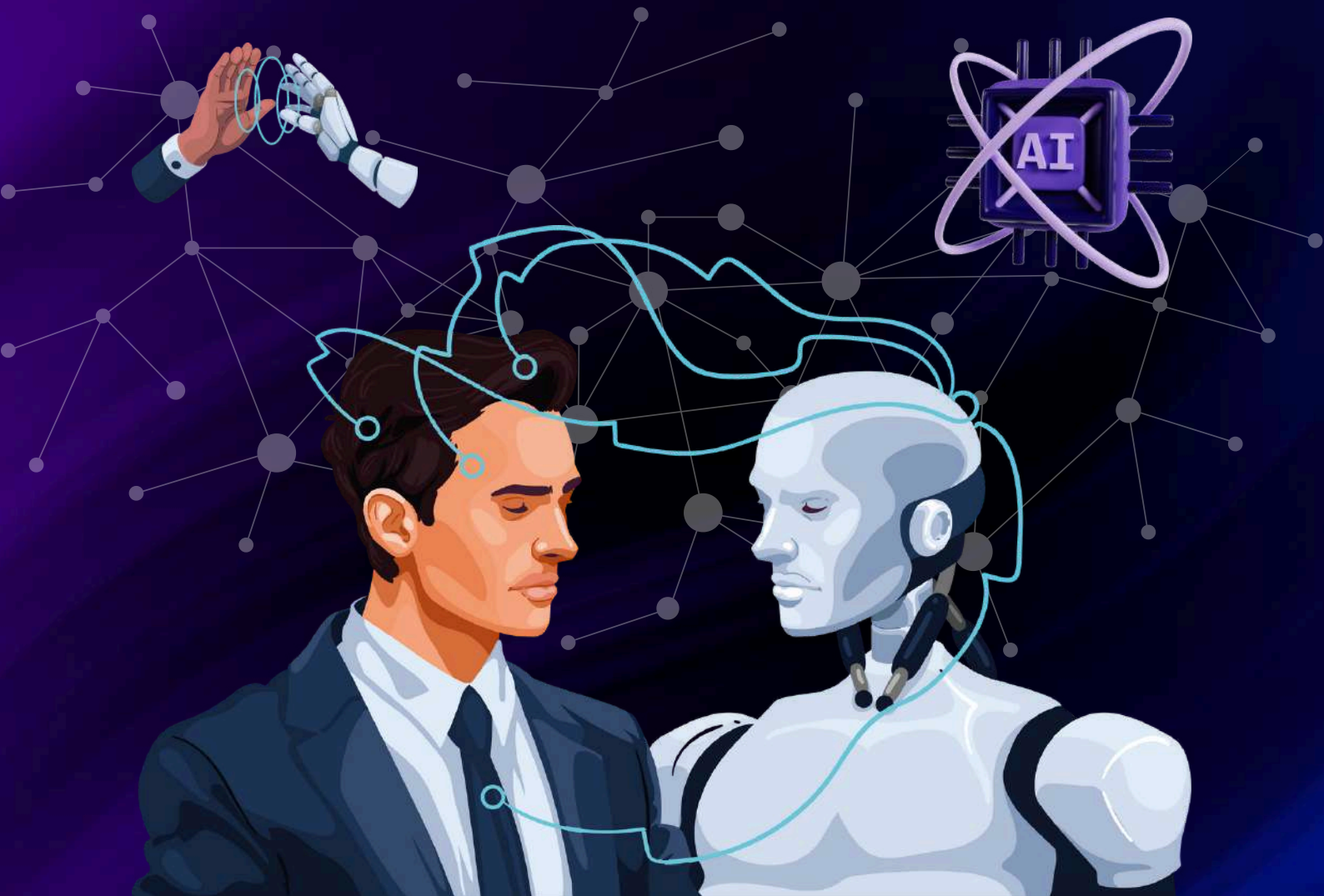


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INDUSTRIAL TRAINING PROGRAM

# ADVANCED ARTIFICIAL INTELLIGENCE

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Immerse yourself in cutting-edge AI discussions through interactive live sessions, delving into diverse topics including Generative AI, Prompt engineering, and revolutionary ChatGPT.

# Statistics Essentials for Data Science

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- 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

# Programming Refresher



- 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

# Python For Data Science



- Python Data Structures
- Python Programming Fundamentals
- Working with Data in Python
- Working with NumPy Array

# Applied Data Science with Python



- 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 Artificial Intelligence & Machine Learning



- Data Preprocessing
- Supervised Learning
- Feature Engineering
- Supervised Learning-Classification
- Unsupervised Learning
- Time Series Modelling
- Ensemble Learning
- Recommender Systems

# Deep Learning with TensorFlow



- Introduction to AI and Deep Learning
- Artificial Neural Network
- Deep Neural Network and Tools
- Optimization, Tuning, and Interpretability of Deep Neural Networks
- Convolutional Neural Networks (CNN)
- Recurrent Neural Networks
- Autoencoder

# Deep Learning Specialization



- Deep Neural Networks
- TensorFlow
- Model Optimization and Performance Improvement Transfer Learning
- Object Detection
- Transformer Models for Natural Language Processing (NLP)
- Getting Started with Autoencoders
- PyTorch

# Essentials of Generative AI, Prompt Engineering & ChatGPT



- Explainable AI
- Prompt Engineering ChatGPT
- Fine-tuning ChatGPT
- Ethical Considerations in Generative AI Models & ChatGPT The Future of Generative AI
- Deploying and Scaling ChatGPT
- Security and Privacy Considerations
- Monitoring and Debugging ChatGPT
- Maintaining ChatGPT

# 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

- Credit Card Fraud Detection using NumPy, Pandas, Matplotlib
- Face recognition in supervised learning
- K-Means Clustering Project: Banknote Authentication
- Diabetes Classification using KNN
- Sentiment analysis of IMDB movie
- Breast Cancer Classification
- Movie recommendation algorithms



## Tools Covered

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# Contact Us

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