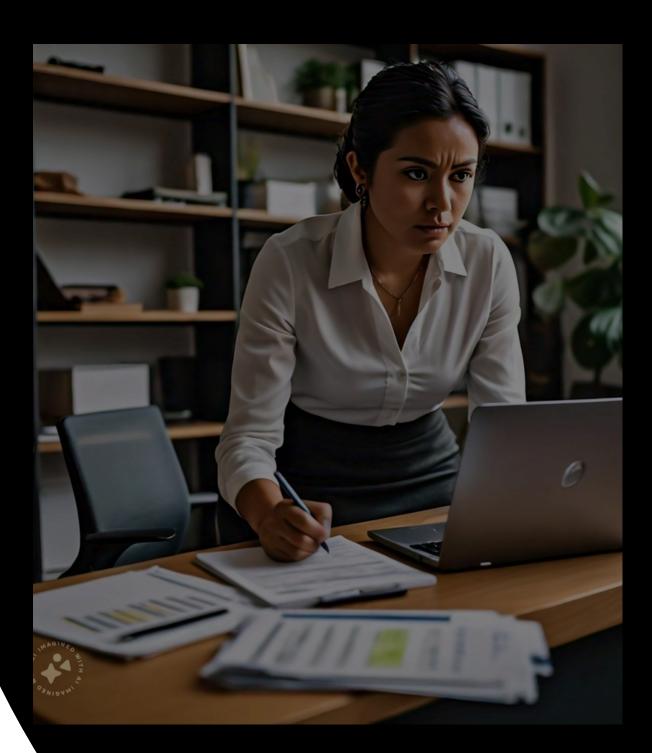






OUR MISSION:



"Our mission is to empower learners worldwide through innovative technology, personalized learning experiences, and accessible educational resources. We strive to cultivate a community where every individual can achieve their full potential, regardless of their background or circumstances."

OUR VALUES:

"To pioneer the future of education by leveraging cutting-edge technology to make learning more engaging, effective, and inclusive. We envision a world where education transcends boundaries, creating opportunities for lifelong learning and fostering a society enriched by knowledge and creativity."

Week 1: Introduction to AI and Python Programming

- Day 1-2: Introduction to Artificial Intelligence
 - History and evolution of AI
 - Al applications in various industries
 - Types of AI: Narrow AI, General AI, and Superintelligent AI
- Day 3-4: Python for AI
 - Python basics: Syntax, data structures, and control flow
 - Essential libraries: NumPy, Pandas, Matplotlib
- Day 5: Introduction to Jupyter Notebooks and Colab
 - Setting up and using Jupyter Notebooks
 - Introduction to Google Colab

Week 2: Data Handling and Preprocessing

- Day 6-7: Data Collection and Cleaning
 - Handling missing values
 - Data normalization and scaling
 - Data augmentation techniques
- Day 8-9: Exploratory Data Analysis (EDA)
 - Data visualization techniques
 - Descriptive statistics
 - Correlation and causation
- Day 10: Feature Engineering
 - Creating new features
 - Feature selection techniques
 - Dimensionality reduction

Week 3: Machine Learning Basics

- Day 11-12: Supervised Learning
 - Linear Regression
 - Logistic Regression
 - Decision Trees and Random Forests
- Day 13-14: Unsupervised Learning
 - k-Means Clustering
 - Hierarchical Clustering
 - Principal Component Analysis (PCA)
- Day 15: Model Evaluation and Validation
 - Train-test split
 - Cross-validation
 - Evaluation metrics: Accuracy, Precision, Recall, F1-Score

Week 4: Neural Networks and Deep Learning

- Day 16-17: Introduction to Neural Networks
 - Perceptron and Multi-Layer Perceptron
 - Activation functions
 - Backpropagation and gradient descent
- Day 18-19: Deep Learning Frameworks
 - Introduction to TensorFlow and Keras
 - Building simple neural networks
- Day 20: Convolutional Neural Networks (CNNs)
 - CNN architecture and layers
 - Image classification with CNNs

Week 5: Advanced Deep Learning

- Day 21-22: Recurrent Neural Networks (RNNs)
 - RNN architecture
 - Long Short-Term Memory (LSTM) networks
 - Applications of RNNs in sequence prediction
- Day 23-24: Generative Models
 - Autoencoders
 - Generative Adversarial Networks (GANs)
 - Applications of generative models
- Day 25: Transfer Learning
 - Concept and benefits of transfer learning
 - o Implementing transfer learning with pre-trained models

Week 6: Natural Language Processing (NLP)

- Day 26-27: Introduction to NLP
 - Text preprocessing techniques
 - Tokenization, stemming, and lemmatization
- Day 28-29: NLP Techniques and Models
 - Bag-of-Words and TF-IDF
 - Word embeddings: Word2Vec, GloVe
 - Transformer models: BERT, GPT
- Day 30: NLP Applications
 - Sentiment analysis
 - Named entity recognition
 - Text generation

Week 7: Reinforcement Learning and AI Ethics

- Day 31-32: Introduction to Reinforcement Learning (RL)
 - RL basics: Agent, environment, states, actions, rewards
 - Q-Learning and Deep Q-Networks (DQNs)
- Day 33-34: Advanced RL Algorithms
 - Policy gradients
 - Actor-Critic methods
 - Applications of RL
- Day 35: Ethics in AI
 - Bias and fairness in Al
 - Al and privacy concerns
 - AI in decision making

Week 8: Capstone Project and Presentation

- Day 36-37: Project Planning and Dataset Selection
 - Define project goals
 - Select and understand the dataset
- Day 38-40: Model Development and Training
 - Implement chosen models
 - Perform EDA and preprocessing
- Day 41-42: Model Evaluation and Optimization
 - Evaluate model performance
 - Tune hyperparameters
- Day 43-44: Project Report Writing
 - Document the methodology, results, and conclusions
- Day 45: Final Presentation and Feedback
 - Present the project to peers/mentors
 - Receive feedback and discuss improvements

Our Partners Company's

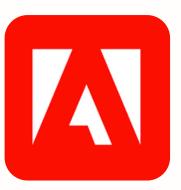


























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