

€ TRAINING

AI App Tools





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Introduction:

Welcome to the AI App Tools Training program! This comprehensive is designed to equip participants with the essential knowledge and skills needed to develop and deploy artificial intelligence applications using cutting-edge tools and technologies. In this dynamic and hands-on training, participants will delve into the world of AI, exploring various tools that empower the creation of intelligent and efficient applications.

Program Objectives:

At the end of this program the participants will be able to:

- Understand AI Fundamentals
- Explore AI Tools
- Hands-On Development
- Integration with AI Services
- Optimization Techniques
- Ethical Considerations

Targeted Audience:

- Software Developers
- Data Scientists
- AI Enthusiasts
- IT Professionals
- Entrepreneurs
- Anyone interested in harnessing the power of AI for application development

Program Outlines:

Unit 1:

Introduction to AI and Basic Concepts

- Overview of AI, Machine Learning, and Deep Learning
- Introduction to Neural Networks
- Python Basics for AI

Unit 2:

AI Tools and Frameworks

- TensorFlow and Keras
- PyTorch
- Scikit-learn for Machine Learning

Unit 3:

Hands-On Model Development

- Building and Training Basic Models
- Model Evaluation and Validation
- Hyperparameter Tuning

Unit 4:

Integration and Deployment

- Cloud Services for AI AWS, Azure, Google Cloud
- Deploying Models in Cloud Environments
- Model Serving and API Integration

Unit 5:

Optimization and Ethical Considerations

- Model Optimization Techniques
- Inference Speed Enhancement
- Ethical AI Practices and Responsible Deployment