

Program Details

This detailed overview highlights the key objectives and skills acquired through the 3-month (12-week) project-based training.

■ Data Engineering

- Data cleaning and understanding
- ETL & ELT Frameworks for Big Data Manipulation
- DBT Transformation
- Data Version Control (DVC)
- Infrastructure Setup and Automation
- Data Warehousing

■ Deployment

- Docker
- Github
- CI/CD
- Unit Testing
- Deployment of Models and Applications
- Dashboard Building

■ Machine Learning

- Exploratory Data Analysis
- Statistical Modeling
- Predictive Modeling
- Time Series Analysis
- Deep learning techniques
- MLOps with DVC and MLFlow

■ Programming

- Advanced Python
- Advanced SQL
- Javascript

■ Generative AI

- Building and Deploying Chatbots
- Prompt & Context Engineering
- Retrieval-Augmented Generation (RAG)
- LLM Fine-tuning and Evaluation of LLMs

■ Career Skills

- Reporting
- Blog writing
- Report for clients
- Slide preparation and presentation
- Teamwork
- Career development
- Enterprise work culture
- How to ask questions
- Design thinking

For any questions on the training or to verify this certificate, please contact team@10academy.org



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