MERCURY

AI Internship for Data Science & Automation

24 - 28 Jan 2027
Amman (Jordan)

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

AI Internship for Data Science & Automation

Ref.: 121618_1040397 **Date:** 24 - 28 Jan 2027 **Location:** Amman (Jordan) **Fees:** 4200 **Euro**

Introduction

This AI Internship for Data Science & Automation course builds strong foundational and applied knowledge in modern artificial intelligence and data-driven technologies. It introduces participants to core concepts in data science, machine learning, and intelligent automation systems used in real business environments. It focuses on developing a practical understanding of Python-based data processing and AI workflow design. Learners will explore how automation enhances decision-making and operational efficiency across industries. The program emphasizes analytical thinking supported by structured data interpretation techniques. Participants will contribute to AI-driven projects and internship-level technical tasks.

Targeted Groups

This AI Internship for Data Science & Automation training targets professionals seeking knowledge and skills:

- Fresh graduates entering data science internship roles.
- IT professionals are shifting to AI automation training.
- Business analysts exploring machine learning internship paths.
- Software developers expanding into AI systems.
- Engineers aiming for Python for data science skills.
- Students preparing for AI internship programs.
- Professionals seeking AI workflow automation knowledge.

Course Objectives

Participants will achieve the following objectives by completing the AI Internship for Data Science & Automation course:

- Understand core principles of data science and AI systems.
- Apply Python for data science and data manipulation tasks.
- Build basic machine learning models for prediction tasks.
- Analyze structured and unstructured datasets effectively.
- Develop understanding of AI automation training workflows.
- Interpret business data using analytical thinking techniques.
- Explore real-world AI internship project structures.
- Improve decision-making using data-driven insights.
- Gain exposure to machine learning internship practices.
- Understand the integration of AI workflow automation tools.
- Develop problem-solving skills for data-driven environments.
- Prepare for entry-level roles in AI and data science.

Targeted Competencies

Participants will gain the following competencies during the AI Internship for Data Science &

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

Automation program:

- Data analysis using Python and structured datasets.
- Basics of machine learning model development and evaluation.
- AI workflow automation design for business processes.
- Data visualization and insight generation techniques.
- Predictive analytics for business decision support.
- Understanding of data science internship methodologies.
- Application of automation in repetitive tasks.
- Interpretation of AI system outputs effectively.
- Basic integration of tools for machine learning internship work.

Studying Scenarios

In this AI Internship for Data Science & Automation training, participants develop skills through the following scenarios:

- Cleaning and preparing real-world messy datasets.
- Building simple predictive models for business cases.
- Automating repetitive data processing tasks using Python.
- Analyzing customer behavior using data science tools.
- Designing workflow automation for reporting systems.
- Evaluating machine learning outputs for accuracy.

Course Content

Unit 1: Foundations of AI and Data Science

- Introduction to AI internship for data science and automation concepts.
- Understanding data science internship roles and responsibilities.
- Overview of AI systems in modern industries.
- Basics of structured and unstructured data types.
- Core principles of machine learning internship pathways.
- Introduction to AI workflow automation fundamentals.
- Data-driven decision-making in business environments.

Unit 2: Python for Data Science

- Python setup for data science internship tasks.
- Working with variables, loops, and functions efficiently.
- Data handling using Python libraries and tools.
- Cleaning datasets for machine learning preparation.
- Basic exploratory data analysis techniques.
- Introduction to numerical computation methods.
- Writing structured Python scripts for automation.

Unit 3: Data Preparation and Processing

- Understanding data preprocessing techniques in AI systems.
- Handling missing values and inconsistent datasets.
- Feature selection for machine learning models.
- Data transformation for AI workflow automation.

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

- Encoding categorical variables for analysis.
- Data normalization and scaling methods.
- Preparing datasets for predictive modeling tasks.

Unit 4: Machine Learning Fundamentals

- Introduction to supervised learning models.
- Understanding regression and classification tasks.
- Training and testing machine learning models.
- Evaluating model accuracy and performance metrics.
- Introduction to clustering and unsupervised learning.
- Overfitting and underfitting in predictive models.
- Applying basic algorithms in internship projects.
- Improving model performance through tuning techniques.

Unit 5: AI Automation and Real-World Applications

- Introduction to AI automation training systems.
- Designing workflow automation for business operations.
- Integration of AI models into business processes.
- Building automated reporting systems using data tools.
- Real-world applications of AI internship skills.
- Optimization of repetitive tasks using automation.
- Deployment basics of machine learning solutions.

Final Insights & Key Takeaways

This AI Internship in Data Science & Automation course builds essential skills for entry into modern AI and data-driven industries. It prepares learners for real internship roles focused on analytics, automation, and machine learning applications.

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

MERCURY

Registration form on the :
AI Internship for Data Science & Automation

code: 121618 **From:** 24 - 28 Jan 2027 **Venue:** Amman (Jordan) **Fees:** 4200 **Euro**

Complete & Mail or fax to Mercury Training Center at the address given below

Delegate Information

Full Name (Mr / Ms / Dr / Eng):
.....
Position:
.....
Telephone / Mobile:
.....
Personal E-Mail:
.....
Official E-Mail:
.....

Company Information

Company Name:
.....
Address:
.....
City / Country:
.....

Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng):
.....
Position:
.....
Telephone / Mobile:
.....
Personal E-Mail:
.....
Official E-Mail:
.....

Payment Method

☐ Please invoice me

☐ Please invoice my company