

EMPOWERING PRODUCTIVITY WITH AI TOOLS

COURSE OUTLINE

Session 1: AI & Python for Banking Productivity

- Role of AI & automation in modern banking.
- Demo: Using AI to assist in writing Python scripts.

Python Practical Task 1:

- Load a CSV file of loan applications.
- Perform basic data cleaning & summary (loan amounts, applicant income, approval status).

Session 2: Automating Banking Communication & Documentation

- Writing regulatory reports with AI.
- Python + AI APIs (e.g., OpenAI/Gemini) for text summarization.

Python Practical Task 2:

- Use Python to read a compliance circular (text/PDF).
- Generate a summary + key action points using an AI API.

Session 3: Data Analysis & Visualization with Python + AI

- Using Python libraries (Pandas, Matplotlib/Seaborn) for banking data.
- AI assistance in generating visualizations.
- Case study: Loan default trends.

Python Practical Task 3:

- Load a loan dataset (ApplicantIncome, Credit_History, Loan_Status).
- Use AI to automatically generate a management summary from the chart.

Session 4: AI for Risk & Fraud Analysis

- AI for anomaly detection in transactions.
- How AI helps compliance teams flag suspicious activity.

Python Practical Task 4:

- Load a transaction dataset.
- Visualize suspicious transactions.

Session 5: Responsible AI in Banking

- Data privacy in financial institutions.
- Responsible use of AI tools (bias, confidentiality, SBP/AML compliance).
- When to rely on AI vs. human oversight.

Mini Task:

- Feed an AI tool a risk assessment draft and refine it while keeping compliance ethics in mind.

FACILITATOR

Mr.Sajid Majeed is a dynamic and creative trainer who can provide insights for financial Analytics using Python and Artificial Intelligence Tools. Skilled in python, data analytics, Artificial Intelligence. Striving to propel forward into the deep sea of Artificial Intelligence.



29 OCTOBER, 2025 | 9:00 AM – 5:00 PM

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