

Malik M Shahmeer Rashid

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Skills

Programming & Scripting: Python, SQL, HTML, CSS, JavaScript, React

Machine Learning & AI: Predictive modeling, Classification, Clustering, Sentiment analysis, Text classification

ML & Data Science Libraries: Scikit-learn, TensorFlow (basic), Keras (basic), Pandas, NumPy, NLTK

Data Handling & Databases: PostgreSQL, MongoDB

Mathematics & Statistics: Linear algebra, Calculus, Probability, Hypothesis testing, Regression, Statistical inference

Data Visualization: Matplotlib, Seaborn

Development Tools & Practices: Git, Agile methodology, Clean code structuring, Documentation standards

Ethics & Communication: Responsible AI practices, Strong communication, Critical thinking, Team collaboration

Professional Experience

Jan 2024 – Mar 2024
Lahore, Pakistan

AICP - Data Analysis Intern - Remote

- Optimized data processing by 40% using Pandas and NumPy for large datasets.
- Reduced analysis time by 30% through streamlined workflows.
- Transformed raw data into actionable insights, aiding decision-making.
- Designed interactive visualizations with Matplotlib, enhancing data clarity.
- Implemented ML models for predictive analytics, improving forecasting accuracy.

Education

Oct 2021 – Jul 2025
Islamabad, Pakistan

BS (Computer Science)

SZABIST Univeristy, Islamabad

Sep 2019 – Aug 2021
Islamabad, Pakistan

A Levels (Computer Science)

Benchmark School System

Sep 2017 – Aug 2019
Islamabad, Pakistan

O Levels (Sciences)

Westminster School & College

Projects

Aug 2025 – Aug 2025

ML Interview Q&A Bot

Developed a Python-based AI-powered Q&A bot designed to assist with machine learning interview preparation by leveraging semantic search and embeddings.

Key Features:

- Built with FAISS for efficient vector search and Sentence-Transformers for embedding-based retrieval
- Retrieves top answers from a curated dataset of ML interview questions
- Interactive web interface developed with Streamlit for real-time Q&A sessions
- Provides context-aware responses, enhancing learning and preparation efficiency
- Showcases practical use of NLP, semantic search, and vector databases

Sep 2024 – Jul 2025

Smart Solutions for Finance and Investment Optimization

Final Year Project

Developed a full-stack web-based financial management platform tailored for individuals and small businesses to optimize budgeting, savings, and investments.

Key Features:

- Secure user authentication with multi-factor verification
- Customizable dashboard for income/expense tracking
- Investment analysis with risk forecasting
- Budget planning integrated with inflation predictions
- Debt management tools and educational modules
- Exportable financial reports (PDF/CSV)

Dec 2024 – Feb 2025

Comprehensive Analysis of Pakistan's Economic Data

Developed a forecasting model to predict inflation trends using historical economic data and assist users in planning budgets accordingly.

Key Features:

- Inflation trend forecasting
- Economic-based budget planning support
- Financial strategy insights based on macroeconomic indicators

Certificates

Machine Learning with Python

From freeCodeCamp

Python for Beginners

Szabist University