

Bisma Shafiq

Data Scientist

Details

+92 3250445584
bismashafiq26@gmail.com
Lahore Punjab, Pakistan

Online Profile

[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

Skills

- Python , R , MATLAB
- Machine Learning
- Deep Learning
- Computer Vision
- Generative AI
- MLOps
- DVC
- MLflow
- Git/Github
- Docker
- Pyspark
- DataBrick
- **Hardware**
 - Arduino
 - ESP32
 - ESP32-CAM
 - STM32
- **Frameworks**
 - Langchain
 - Langgraph
 - CrewAI
 - PyTorch
 - TensorFlow
 - Scikit learn
 - OpenCv
 - Flask
 - Numpy
 - Pandas
- Robotics

Profile

Certified Cloud Generative AI Engineer and Data Scientist with 1.5 years of experience in Data Analysis, Machine Learning, Microcontroller and Electronics System. Strong expertise in predictive analytics, AI-driven automation. Hands-on experience in classification, regression, clustering, computer vision, NLP, and RAG-based LLM applications. Proficient in Python, TensorFlow, PyTorch, SQL, Power BI, and PySpark.

Experience

Junior Data Scientist | BCG X , Virtual Internship

- Developed a customer churn analysis simulation using Python, applying predictive modeling techniques.
- Presented findings through an executive summary, improving data-driven decision-making.
- Developing an AI-powered chatbot that analyzes financial documents.
- This is a cutting-edge project at the intersection of finance and generative AI (GenAI).

Digital Analyst | SKS , April 2024– Nov 2024

- Conducted marketing data analysis using Python and Excel, driving strategic improvements.
- Developed visual dashboards using Power BI and Tableau to communicate key insights.
- Optimized digital campaigns by tracking ROI and engagement metrics.

Data Analyst | Digital Mindset , Oct 2023– March 2024

- Collected, processed, and maintained data from various sources, ensuring data accuracy.
- Managed Amazon and Shopify accounts, optimizing inventory and sales tracking using Excel.
- Developed monthly sales dashboards for the sales team using Power BI.

Personal Projects

AI Stock Analyst (Generative AI Project) | [\[GITHUB\]](#)

- Developed a stock market analysis AI agent using Groq API, DeepSeek API, and LangChain framework.
- Designed the system to analyze market trends, financial reports, and real-time stock data for investment recommendations.

Multiple PDF RAG System | [\[GITHUB\]](#)

- Built an LLM-powered retrieval-augmented generation (RAG) system for legal document drafting.
- Utilized LangChain, Gemini API, and FAISS vector database to extract, analyze, and summarize case files and legal precedents.
- Enabled efficient retrieval of relevant case laws and auto-drafting of legal documents based on queries.

Event Planner AI-Agent (Generative AI Project) | [\[GITHUB\]](#)

- Developed an AI agent for event planning using CrewAI.
- Integrated DuckDuckGo and SERPER tools to facilitate event search and automated booking.

Car Price Prediction (Data Science Project) | [\[GITHUB\]](#)

- Built a car price prediction model using MySQL for data ingestion and deployed it as a web-based application.
- Implemented data preprocessing, feature engineering, and model evaluation to ensure accuracy.

GENAI with Computer Vision (CV Project) | [\[GITHUB\]](#)

- Developed a GenAI-powered computer vision model utilizing deep learning and mathematical feature extraction techniques.
- Implemented image preprocessing, Fourier Transform, and Vision Transformers (ViT) to enhance object detection and pattern recognition.

Education

Bachelors of Science in Electronics (GOLD MEDAL)

Government College University, Lahore | 2019 - 2023

CGPA: 3.63 out of 4.00

FSc Pre-Engineering

Government College for Women, Gulberg | 2017-2019

Marked Obtain : 900 out of 1100

Certifications

- Certified Cloud Generative AI Engineer | 2024-2025
- Machine Learning - freecodecamp | 300 hours
- Multi AI Agent Development - CrewAI
- Prompt Engineering - DeepLearning.AI
- Python for AI - DeepLearning.AI
- Data Analysis & BI - DigiSkills Pakistan
- Data Analysis Using Python - Microsoft
- Apache PySpark - Great Learning
- MLOps - Google