

MUHAMMAD ROHAN JAVED

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EXPERIENCE

Python Developer, Analytiverse – Lahore, Pakistan July 2025 – Present

- Spearheaded the design and production deployment of RAG pipelines, utilizing Pinecone and custom chunking for enterprise solutions.
- Engineered the "Penguin Agentic System," a Reinforcement Learning (RL) project focused on autonomous supply chain optimization.

AI Automation Engineer, My Brand Genius – Lahore, Pakistan 2024 – June 2025

- Developed AI automation tools, reducing manual workload by 40% and improving Amazon store performance.
- Deployed machine learning models for predictive sales analytics, optimizing ad spending efficiency.
- Collaborated cross-functionally to integrate AI-driven e-commerce insights.

DAML Intern, Techlogix – Lahore, Pakistan Jun/Sept 2023

- Built an AI chatbot using BERT, reducing response time by 30% for customer queries.
- Engineered a loan eligibility prediction model with 85% accuracy using ML techniques.
- Extracted banking trends from financial transaction data to enhance decision-making.

EDUCATION

FAST National University of Computer and Emerging Sciences 2021 – 2025

Bachelor's in Data Science

- Relevant Coursework: Machine Learning, NLP, Deep Learning, Cloud Computing, AI, Generative AI, InfoSecurity, Computer Networks, Big Data, Data Warehousing, Reinforcement Learning

SKILLS

- **Programming Languages:** C, C++, Python, R, SQL, PHP, JavaScript, **Django (Framework)**
- **Machine Learning:** Scikit-learn, TensorFlow, Keras, PyTorch
- **Data Analysis:** SQL Server, Tableau, Matplotlib, Seaborn
- **Big Data:** Apache Spark, Hadoop
- **Cloud Computing:** Google Cloud, Microsoft Azure
- **Tools:** Jupyter Notebooks, Git/GitHub

PROJECTS

My Insights

- Developed an AI-powered tool for generating useful insights and management strategies, specifically designed for My Brand Genius.
- Focused on Amazon Seller Account data, providing actionable recommendations for e-commerce optimization.
- Tools Used: Python, Django, TensorFlow, Django, PostgreSQL

AI Chatbot

- Developed using OpenAI API, served as an assistant on the company website.
- Tools Used: Python, BERT, TensorFlow

MedCare (Online Hospital)

- Created to facilitate online appointments with video call conferences, ensuring privacy.
- Tools Used: Python, Flask, WebRTC

SHAP Explainable AI

- Researched SHAP values for AI model interpretability using Shapley game theory.
- Tools Used: Python, SHAP Library

Sales Forecasting

- Built a machine learning model to predict sales trends for e-commerce businesses.
- Tools Used: Python, Scikit-learn, Pandas, Matplotlib

IMDb Movie Sentiment Analysis

- Performed sentiment analysis on movie reviews scraped from IMDb using Selenium.
- Tools Used: Python, Selenium, NLTK, Scikit-learn

CERTIFICATIONS

- Intro to Deep Learning (Kaggle)
- Computer Vision (Kaggle)
- Feature Engineering (Kaggle)