MUHAMMAD HUZAIFA

LinkedIn Profile   **Email**   **Github Profile**
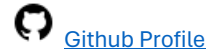
EXECUTIVE SUMMARY

Dynamic **Python** Developer and seasoned **Data/AI** professional with a proven track record in diverse tech realms, delivering impactful solutions across **real-world** projects. Skilled in **Python, SQL, NoSQL,Big Data**, and cutting-edge **AI / ML** frameworks **,** with proven ability to drive business outcomes through **data analytics** .

PROFESSIONAL EXPERIENCE

Python Developer Intern | Interncraft, Pakistan   August 2024-October 2024
- Developed a dynamic weather application utilizing the **OpenWeatherMap** API to deliver accurate, up-to-date weather data .
- Successfully integrated the solution into a comprehensive agriculture tool, significantly improving operational efficiency and decision-making.

Freelance Data Architect | Fiverr, Remote   March 2024

- Delivered a call forecasting solution for a US hospital, optimizing scheduling and resource allocation for over 1,000+ monthly patient calls.
- Enhanced ad performance for a client by integrating AI-driven analytics, enabling automated insights and boosting ad engagement by 30% within the first month .
- Developed a real-time Tableau dashboard for a comprehensive survey project, visualizing responses from 150+ questions and improving data-driven decision-making for stakeholders.

EDUCATION

Bachelors of **Science** in **Data Science**   November 2022 - November 2026
Pak Austria Facchochschule Institute of Applied Sciences and Technology at Haripur, Pakistan
- Dean's List | 3.74 GPA (92.5 %) | Rank 3rd
- Majors: Maths, DSA, Operating Systems, Databases, Big Data Analytics-Visualization, ML & DL , AI ,LLMs.

SKILLS AND ABILITIES :

- **Programming:** Python, SQL, Git, Linux , NoSQL
- **AI/ML & NLP:** PyTorch, TensorFlow, Scikit-Learn, Hugging Face, Transformers, OpenAI GPT, BERT
- **Data Processing & Big Data:** Pandas, NumPy, Spark, Hadoop, Hive, Flume , Tableau , Excel , Powerbi
- **Data-Centric AI:** Data Cleaning, Feature Engineering, Distributed Computing , ETL pipelines

PROJECTS :

Provincial Funds Analytics & Distribution   **link to webapp**
Python, Data Cleaning, EDA, Data Visualization, Interactive Dashboard

- **Analyzed** provincial school data (infrastructure, student-teacher ratios) to identify areas needing improvement.
- Developed data-driven funding model for **$3 billion** EdTech investment, maximizing impact on educational equity.
- Leveraged data visualization and **statistical** techniques to present insights and recommendations for resource allocation.

Real-Time Call Volume Forecasting Web Application   **link to webapp**

Python, Statistical Techniques,Prophet, Deep Learning, Data Preprocessing, EDA ,Streamlit

- Developed a Streamlit-based web application that processes over 20,000 rows of historical call center data to forecast call volumes in real-time .
- Integrated interactive Plotly visualizations to display trends, seasonality, and forecast components.
- Enabled dynamic model retraining upon data updates, ensuring adaptive and accurate predictions.

StockFlow: A Big Data Framework for Stock Price Forecasting   link to code
Python, Distributed Computing , Flume ,ETL , Data Preprocessing, Spark ,Hadoop , PowerBI

- Extracted historical stock data using Python's yfinance and automated its ingestion into Hadoop HDFS via Apache Flume with a scheduler for regular updates.
- Employed Apache Spark to process and calculate moving averages of stock prices, storing the results back into HDFS.
- Integrated PowerBI for dynamic visualization of stock trends and forecasts, enabling interactive analysis and decision-making .

ACTIVITIES , REWARDS and MISCELLANEOUS

- Awarded a laptop and scholarship by the government for maintaining an A-grade average throughout my studies.
- Active member of the university's AI Society; secured runner-up position in a ML competition organized by AI Society .
- Dedicated volunteer at the Data Science Society and Paf-iast Welfare Society for organizing workshops events and welfare drives .
- Passionate about learning to accelerate inference speed for Large Language Models (LLMs) , GenAI tools and AI generated content detection.

CERTIFICATIONS & COURSES

- **Data Science Track** (Datacamp) – Completed link to profile
- **Deep Learning Specialization** (Coursera, DeepLearning.AI) – Completed
- **GenAI Track** (Datacamp) – Ongoing link to profile