Ahmad Umer Farooq

✉ btumer83@gmail.com   ▪ +923356005422   in Umer Farooq   **Ahmed-Umer-Farooq**

SUMMARY

Full-stack developer and data analyst skilled in MERN, Python, and SQL with a strong ability to design secure web applications and predictive models. Developed a heart disease detection system using machine learning and automated scrapers to collect structured datasets. Passionate about combining web development and data science to deliver scalable, data-driven solutions.

WORK EXPERIENCE

Data Analyst Intern – Excelerate
January 2024 – April 2024

- Designed dynamic Power BI dashboards to monitor key performance indicators (KPIs), reveal trends, and support strategic decision- making.

- Performed comprehensive statistical analysis to uncover patterns, correlations, and actionable business insights.

- Processed and analyzed large, multi-source datasets—spanning sales, customer behavior, and market trends.

Webscraping

Freelance Data Analyst & Web Scraper
March 2024 – Present

- Collected and processed data from 300+ websites across sectors such as finance, retail, and social media.

- Built scalable, automated web scraping pipelines using BeautifulSoup, Scrapy, and Selenium for efficient data acquisition.

- Designed intelligent retry systems and robust error handling to ensure data integrity from dynamic web sources.

- Delivered clean, structured datasets for dashboard creation, market analysis, and reporting.

EDUCATION

2022 - 2026   **Bachelors of Sciences in Data Science**   CGPA: 2.8/4.0

Institute of Management Sciences

Relevant Coursework: Programming, Data Analysis with Python, and Visualization using Matplotlib and Seaborn, Database Systems, Statistics, Artificial Intelligence.

SKILLS

Web Development: JavaScript, React, Next.js, Node.js, Express.js, MERN Stack
Programming: Python, SQL, DAX
Web Scraping & Automation: BeautifulSoup, Scrapy, Selenium, OCR, OpenCV
Data Science & Machine Learning: scikit-learn, Pandas, NumPy, Jupyter Notebook
Data Visualization: Power BI, Matplotlib, Seaborn, Plotly
Frontend & UI: HTML5, CSS3, Tailwind CSS, Bootstrap, PWA
Tools & Platforms: Git, GitHub, Postman, Render, Vercel, Label Studio

PROJECTS

MERN-Auth App
Developed a full-stack authentication system using the MERN stack (MongoDB, Express.js, React, Node.js). Implemented secure user registration, login, and session handling with JWT tokens. Delivered a scalable and secure solution following   industry-standard best practices.

Heart Disease Detection
Built a machine learning model to predict the likelihood of heart disease using clinical data. Applied feature engineering, data preprocessing, and classification algorithms in Python. Evaluated model performance with visualizations and metrics for actionable insights.

Drum Scraper
Created a Python-based web scraper to extract structured data on drum equipment and products. Automated data collection pipelines with BeautifulSoup and Requests to ensure accuracy. Generated clean datasets for analysis and reporting in the music domain.