Muhammad Junaid Farooq

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Professional Summary

I am Software Engineer with experience in the industry, working on real-time projects to become a determined and motivated developer, seeking full-time Associate Data Science role.

Education

National University of Computer & Emerging Science [FAST NUCES] 2020 – Now

BS Computer Science

EXPERIENCE

FAST-NUCES **Pakistan**

Teacher Assistant Sep, 2022 -Dec, 2023

- Assisted with the “Data Structure” lab, “Numerical Computing” course. “Differential Equation” course, “Discrete Structure” course.
- Assisted in creating a supportive learning environment by encouraging student engagement and participation.

Selected Projects

Explore-Ease **Flutter, Python, Flask, Firebase**

Sep, 2023 – Now

Smart Image Categorization and Group Chat Tour App. ExploreEase simplifies tour planning with seamless booking and real-time location tracking. It fosters connection through dedicated group chats and ensures traveler safety with instant updates. Intelligent facial recognition personalizes photo sharing, making ExploreEase the ultimate tool for unforgettable travel experiences.

Data Annotator Using Modern LLMs **Python, Gemini API**

Feb, 2024

Built a Python project that consumes the power of Gemini API to annotate the textual data. The API takes the textual data as input and provides the result in the form of sentiment as positive or negative.

Web Scrapper **Python, Beautiful Soup, Selenium**

Feb, 2024

Built a Python project that can scrape text, image, and video links from the website. The scrapper uses the Python Packages Beautiful Soup and Selenium to extract the data from the static page or dynamic page websites. The results are stored in the form of CSV files.

Searching Algorithm in Python **Python, Tinker**

Jan 2024 - May 2024

This software was built using Python for its programming language. The graphical user interface, which allows users to interact with the software, was created with Tinker. To achieve a well-rounded functionality, the software incorporates both informed and uninformed search algorithms.

ECG Data Analysis for Arrhythmia Detection **Python, PCA**

March 2024

This project involved the comprehensive exploration of arrhythmia detection using ECG analytics. It encompassed data acquisition from PhysioNet, preprocessing techniques including handling missing values and dimensionality reduction via PCA, exploratory data analysis, and visualization of ECG signals and correlations. The project aimed to lay the foundation for developing robust algorithms and models for arrhythmia detection.

Tools

Microsoft Power BI, Plotly, Grafana, Android Studio, Flutter, PostgreSQL, My SQL, Oracle 11g, Cisco Packet Tracer, Visual Studio, Unity.

Skills

Data Science (Data Scrapping, Data Annotation, Data Analysis, Data Visualization), **Mobile Development** (Android Java, Flutter, Firebase, SQL-lite)**, Git, Generative-AI (**Python, Fine Tuning**).**

Education

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