MUHAMMAD SHAYAN

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OBJECTIVE

As a recent graduate with a robust enthusiasm for Data Science and Machine Learning, I bring to the table a solid foundation in computer science. My academic background has honed my skills in Data Analytics, Machine Learning Development, and Mobile Application Development. I'm eager to apply these skills to tackle real-world challenges and make meaningful contributions in the field.

EDUCATION

Bachelors of Computer Science, National University of Computer and Emerging Sciences   Expected Jun 2024
A-Levels, SICAS   2017 - 2019

SKILLS

Technical Skills	Python, C++, SQL, Git, GitHub, Flutter, Dart, Firebase, Bulk, Prodigy, TensorFlow, Keras, R/R Shiny, PowerBI, Plotly, Lida, Data Annotation, Data Visualization, Web Scraping
Soft Skills	Leadership, Project Management, Client Management, Team Collaboration, Time Management, Problem Solving, Positive Attitude, Pressure Resilience

EXPERIENCE

Product Development Intern   Jun 2023 - Jul 2023
Techverx   *Lahore,Pakistan*

- Conducted market research and competitor analysis to identify emerging trends.
- Collaborated with cross-functional teams to optimize the product development lifecycle.
- Assisted in the testing and quality assurance process.

Lead Developer   Aug 2023 - Apr 2024
Explore Ease (Start Up)

- Designed and developed the frontend and backend of the mobile application using Flutter
- Fine tuned ResNet50 and deployed the face recognition model using Flask
- Established and managed the Firebase database.

SELECTED PROJECTS

Data Annotator Using Modern LLMs: Developed a Python project leveraging the Gemini API to annotate COVID-19 Tweets with sentiment analysis, categorizing it as positive or negative.

Web Scraper: Implemented a Python project utilizing Beautiful Soup for politifact.com and Selenium for mastadon.social and altnews.com to scrape text, image, and video links. Organized the scraped data into CSV files for storage and further analysis.

Valorant Rank Predictor: Utilized R and R-Shiny to develop a Regression model for determining a player's rank in the Valorant game based on their statistics.

ECG Data Analysis for Arrhythmia Detection: Led the comprehensive analysis of ECG data for arrhythmia detection, encompassing data acquisition, preprocessing, and exploratory data analysis. Applied advanced techniques such as handling missing values, dimensionality reduction using PCA, and visualization of ECG signals and correlations. Pioneered the groundwork for developing robust algorithms and models to enhance arrhythmia detection capabilities.