

Huzaif Bin Tariq

Data Scientist — ML Engineer — Software Developer

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SUMMARY

An innovative and driven computer science graduate eager to leverage my technical expertise in data science, machine learning, computer vision, and natural language processing to design impactful solutions. Passionate about utilizing cutting-edge technologies to solve complex problems and drive meaningful change. Seeking a challenging role that allows me to contribute my skills while collaborating with forward-thinking teams pushing the boundaries of what's possible.

EDUCATION

Bachelors of Computer Science, NUCES FAST

Faisalabad, Pakistan

Relevant Coursework:

2020 - Present

- Data Science (A-), Artificial Intelligence (A-), Applied Machine Learning (A-)
- Data Structures and Algorithms (B+), Linear Algebra (A)
- Database Systems (B+)

EXPERIENCE

ML Engineer

April 2023 - April 2024

Gesturely - A mobile app that uses Hand Gestures to perform custom actions

Faisalabad, Pakistan

- **Collected and Pre-Processed** the image **Dataset of 500,000+ Images** (Python, Keras, OpenCV)
- Annotated **18** Hand Gesture Classes from the Dataset for Detection (Python, Roboflow) that shall be used for training and validation
- Integrated **ultralitics's YOLOv8** (Python, Ultralytics, OpenCV) to train and fine tune on the Dataset with an **Accuracy of 84%**

IT Intern

June 2023 - August 2023

MPCL, Oil Company

Islamabad, Pakistan

- Developed a **predictive sales forecasting model** utilizing data analysis, machine learning, and visualization for insightful revenue projections.
- Learned **integration of cutting-edge technologies** as AnyDesk, Cloud Computing and Network Systems
- Gained **practical working experience** of server and **database integrity** through hands-on database management expertise.

SELECTED PROJECTS

ECG Dataset for Arrhythmia Analysis | Python, NumPy, Matplotlib, Grafana, PostgreSQL

March 2024

- * Cleaned and Preprocessed by applying **PCA** technique
- * Converted the dataset from **wfdb** to **PostgreSQL** Database
- * Performed Analysis via multiple VIsualization techniques using **Matplotlib**
- * Made a complete dashboard for Data Visulaization and Results on **Grafana** (Read More)

Valorant Rank Predictor | R, RStudio, R Shiny, Git

May 2022

- * **Analyzed** Radiant player stats **Compared** to other ranked players to **understand smurf impact**
- * Examined **regional (Global, Asia Pacific) win percentage distributions**, finding 46-60% as the majority
- * Developed a **Prediction Model** allowing users to input their stats and get estimated rank category
- * Provided context through a **Normal Distribution** graph and a **Histogram** of all player ranks (Read More)

TECHNICAL SKILLS

Languages: Python, C++, Dart and SQL

Frameworks: Tensorflow, PyTorch, NumPy, Flutter, Scikit-Learn and Selenium

Developer Tools: Git, PyCharm, Android Studio, VS, VS Code, Power BI, Grafana, Tableau, LIDA, MySQL and PostgreSQL

Libraries: Tensorflow, PyTorch, Matplotlib, NumPy, Open CV, Plotly, Scikit-learn, Pandas and GeoPandas