MOHAMMED FAIZAAN

COMPUTER SCIENCE ENGINEER

+1 (562) 583 5550 | Portfolio | GitHub | mohammedfaizaan.Lnu01@student.csulb.edu

Education

MS: Computer Science **2025-2027**
California State University Long Beach

B.E: Computer Science and Engineering **2020-2024**
Navodaya Institute of Technology, Raichur (Affiliated to VTU)

Experience

Compsoft Technologies | Intern **Mar 2023 – Apr 2023**

- Worked on the project "***LTS – Testing the Working of Model V0.1.1.1.23***" based on client-defined requirements.
- Evaluated the performance of a machine learning model against client benchmarks.
- Identified behavioral inconsistencies and proposing algorithmic refinements.
- Delivered a structured technical report with 5+ actionable improvements, reducing prediction ***error by 15%***.

Cranes Varsity | Intern **Aug 2023 – Sep 2023**

- Demonstrated leadership by leading a 4-member team in analyzing global well-being trends under strict deadlines.
- Assigned tasks, conducted peer code reviews, and maintained team alignment to ensure 100% on-time project delivery.
- Engineered high-impact data pipelines and visual workflows to streamline analysis and enhance ML readiness.
- Communicated key findings and technical progress to project mentors and the manager overseeing multiple intern teams.
- Boosted team ***efficiency by 30%*** by optimizing Git collaboration, enforcing commit standards, and managing weekly sprints.

Kodnest | Intern **Mar 2024 – May 2024**

- Completed a Java Full Stack internship with a focus on the foundations of web application development.
- Built user interfaces using ***HTML, CSS, JavaScript***, and explored frontend frameworks.
- Gained a working understanding of ***Java***, object-oriented programming concepts, and basic backend architecture.
- Learned how full stack applications are structured, tested, and deployed in real-world settings.

Projects

Stock Price Predictor [AI/ML] | ***[GitHub]***

- Designed and implemented a model to forecast stock prices using historical market data sourced via the ***yahoo finance API***.
- Leveraged Python libraries including ***Pandas***, ***NumPy***, ***Seaborn***, *and* ***scikit-learn*** to preprocess data, engineer features, and visualize financial trends.
- Developed and trained machine learning models, achieving ***87% accuracy*** in predicting stock closing prices on test datasets.
- Deployed application using ***Streamlit***, enabling dynamic visualizations and real-time user interaction through a web interface.

World Happiness Index Analysis [Data Science] | ***[GitHub]***

- Conducted ***exploratory data analysis (EDA)*** on World Happiness Index dataset to uncover correlations between GDP, social support, and happiness scores.
- Utilized Python libraries such as ***Pandas*** and ***NumPy*** for data wrangling, cleaning, and statistical analysis.
- Built visualizations using ***Matplotlib/Seaborn*** and performed regression analysis, improving prediction ***accuracy by 10%*** on cleaned datasets.
- Identified patterns and correlations to explain the influence of socioeconomic factors on national well-being.

Portfolio Website | ***[Portfolio]***

- Built and deployed a fully responsive personal portfolio using ***HTML, CSS***, and ***JavaScript***.
- Showcased projects, certifications, and achievements via a clean, mobile-optimized UI.
- Implemented responsive design principles to ensure seamless viewing across various screen sizes.

Skills & abilities

Languages: Python, C++, C, Java, SQL, HTML, CSS, JavaScript
Libraries/Framework: NumPy, Pandas, Matplotlib, Seaborn, TensorFlow (Keras), Scikit-learn, ReactJS
Cloud & Devops: AWS (EC2, EBS, IAM), Git, Google Colab
Tools & Platforms: PyCharm, VS Code, Android Studio, MS Office, Burp suite, Maltego, WordPress

Co-curricular Activities

- Attended Honeywell-hosted cybersecurity workshop covering threat modeling and ethical hacking basics.
- Led a 6-member team to 1st place in a hackathon by completing 4 timed challenges in algorithms, debugging & system design.
- Completed ***"Convolutional Neural Networks in Python"*** on Udemy, implementing image classifiers using Keras.
- Captained a 50-member team to win a major college event through strategic coordination and leadership.
- Completed Udemy course on *"**Data analytics using MS Excel**"*.