

Faraz Taqi

Software Engineer

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 Lahore, Pakistan

Programming:

Python, C, C++, R, MATLAB, Octave

Design:

Figma

Frameworks:

TensorFlow, Keras, Scikit-learn, CV2, Pandas, NumPy, Matplotlib, Seaborn, Jupyter

Languages:

English
Urdu

Interests:

Football
Cricket
Badminton

ABOUT ME

I am a problem solver and strong communicator who is eager to prove my value and talent. I am motivated to advance and expand my skill set through mentorship and challenging projects. Looking forward to an environment that is conducive to growth and learning.

EDUCATION

Forman Christian College, Lahore

July 2023

BS Honors – Computer Science

Core Courses: Data Mining, Machine Learning, Digital Image Processing, Database Systems, Compiler Construction

PROJECTS

Citizen Portal Mobile App – Final Year Project

- Built a Kotlin based mobile app that enables users to fetch details about associated Police Stations, Union Councils, Provincial and National Assembly Constituencies, and Public Hospitals based on their pin location.

CI/CD Pipeline using Jenkins

- Created a DevSecOps pipeline using Jenkins (Snyk plugin) along with an integration with Git repository. This allowed us to perform security reviews and error checks on new code changes before deployment.

Text Classification using BERT

- Classified food reviews into broader topics of discussion using BERT models. This granular look at reviews allowed us to highlight key areas of improvement from the restaurant's perspective.

Heart Failure Detection – Machine Learning Model

- Performed feature engineering on a range of dimensions including patient's demographics and vital health signs to train a machine learning model that helps predict heart failure risk.

Network and Web Security Review

- Performed security audit and network review using Nmap utility. This allowed us to do DNS queries and subdomain searches along with identifying open ports on target host.
- Moreover, tried SQL injection attacks by leveraging Nikto to audit website security and prepared vulnerabilities report.



CONFERENCES & SEMINARS

Artificial Intelligence in Healthcare: Theory, Applications, and Future

- Participated in a seminar discussing collaboration between health and IT sectors. The core theme was to utilize advanced data driven computational methods to help detect disease spread and identification.

Insight and Scope of Blockchain and Web3

- Attended a conference discussing the next generation of the web i.e., Web 3.0. We explored Blockchain as a key component and building block of Web3.0 infrastructure and how it can help implement decentralization.