

Muhammad Rayyan

Software Engineer

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EXPERIENCE

Telenor, Islamabad — Software Engineer intern

Jul 2023- Aug 2023

I worked as a backend engineer at Telenor where I gained valuable hands-on experience in developing a dynamic online shopping app using Spring Boot and MySQL database.

EDUCATION

NUST, Islamabad — Software Engineering

Sep 2021 - Sep 2025

Studying Software Engineering at NUST, I have excelled in advanced coursework and actively contributed to coding projects, honing my skills in software development and problem-solving.

PROJECTS

Library Management System

Spring 2022 | Islamabad, Pak

Built Library Management System using Java Swing and File Handling.

Cryptocurrency portfolio Manager

Fall 2023 | Islamabad, Pak

Built Portfolio Manager using React.js as frontend and SQL as database.

American City Graph: Shortest Paths Exploration

Fall 2023 | Islamabad, Pak

Built a GUI-based pathfinder using Visual Studio's .NET framework as frontend, and for implementation of pathfinder used Graph Data Structure and Dijkstra's algorithm.

Handwritten Digit Recognition

Summer Break 2023 | Islamabad, Pak

Built a Recognition System using the Tensorflow library.

SKILLS

Languages: C++, Java, Python, Javascript.

Libraries: Numpy, Pandas, Matplotlib, Seaborn, sklearn, tensorflow, opencv, yolov8.

Database Management: SQL

Interests: Machine Learning, Deep Learning, Data Science, Computer vision.

Courses

Machine Learning

Offered By Stanford online

Maths for ML & Data Science

Offered by Deeplearning.ai

Web Development

Offered by uni of Michigan

React.js

Offered by Meta

Extracurricular Activities:

Used to write **Astrophysics** research articles. [Medium](#)