

MUHAMMAD YAQOOB

MERN Stack Developer

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EXPERIENCE

Co-Lead Tech Team

MLSA CUI Attock

2024 – 2025

- Led technical initiatives and workshops for Microsoft Learn Student Ambassadors community.
- Mentored junior students in web development and machine learning projects.

Front-End Developer

GDSC COMSATS Attock

2023 – 2024

- Developed React-based frontend for "LinkedIn Job Scam Detector" Solution Challenge project
- Worked with UX/UI designers to enhance front-end interface with dynamic form validation

EDUCATION

B.S. Computer Science

COMSATS University Islamabad

2021 – 2025

CGPA: 3.50/4.00

SKILLS

HTML5

CSS3

Tailwind CSS

JavaScript

React.js

Next.js

Node.js

Express.js

Python

MongoDB

Firebase

Machine Learning

Git/GitHub

Postman

RESTful APIs

AWS(EC2)

Java

CERTIFICATIONS

- Supervised Machine Learning:Regression And Classification (Coursera, 2025)
- Introduction to JavaScript (Coursera, 2023)
- Introduction to Mobile Dev (Coursera, 2023)
- Maximize productivity with AI tools(Coursera,2025)
- HSK Level 4 Chinese (CLEC, 2021)

ACHIEVEMENTS

- Top 5 in Coding Competition (COMSATS Attock, 2023)
- 3rd Position in SSC Exams (Marfie Foundation, 2014)

LANGUAGES

- English (Fluent)
- Urdu (Native)
- Chinese (HSK 4)

PROJECTS

FYP: Federated Learning Cataract Detection

Next.js, TensorFlow, Firebase, FastAPI

- Directed development of secure web application for AI-based cataract/glaucoma diagnosis using federated learning (92% accuracy)
 - Implemented full-stack architecture:
 - Next.js frontend with role-based dashboards (doctors/patients)
 - FastAPI backend for federated learning coordination
 - Developed features for appointment scheduling and remote medical consultations
- [Live Demo: federated-cataract.vercel.app](#)

Digital Empowerment Platform

Next.js, Material-UI, Firebase

- Developed NGO platform using Next.js for digital skills development in Pakistan, featuring:
 - Event management for workshops/webinars
 - Resource library with educational content
 - Real-time opportunity notifications
- [Live Demo: digitalempowermentpakistan.vercel.app](#)

YumSpot

MERN Stack

- Developed full-stack application demonstrating backend-frontend integration:
- Designed Restaurant Reservation interface using React.Js and managed database operation with MongoDB Atlas.

Weather App

React, OpenWeatherAPI

- Built weather dashboard with geolocation and city search
- Displays temperature, humidity, wind speed, and conditions
- Integrated REST API with automatic data refresh