

MUHAMMAD YAQOOB

MERN Stack Developer

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EXPERIENCE

MERN Stack Developer

Horizon Tech Services

Nov 2025– Present

- Working as an apprentice on full stack web development projects, gaining hands-on experience in full-stack using PostgreSQL, Express.js, Next.js, and Node.js
- Implemented RESTful APIs and integrated them with the frontend for seamless data flow

MERN Stack Developer

EBMACS Solution

Aug 2025 – Nov 2025

- Worked as an intern on MERN stack projects, gaining hands-on experience in full-stack web development using MongoDB, Express.js, React.js, and Node.js
- Integrated Firebase services such as Authentication and Firestore with MERN applications to manage user data and enhance application scalability
- Designed and prototyped user interfaces in Figma for client projects, ensuring responsive, accessible, and visually appealing layouts
- Collaborated with team members to connect React front-end components with Node.js/Express APIs and synchronize real-time data through Firebase and MongoDB

EDUCATION

B.S. Computer Science

COMSATS University Islamabad

2021 – 2025

CGPA: 3.53/4.00

SKILLS

HTML5

CSS3

Tailwind CSS

JavaScript

React.js

Next.js

Node.js

Express.js

Python

MongoDB

Firebase

Machine Learning

Git/GitHub

Postman

RESTful APIs

Java

Figma

C#

Postgre Sql

AWS(EC2)

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)

PROJECTS

FYP: Federated Learning Cataract Detection

Next.js, TensorFlow, Firebase, FastAPI

- Directed development of a secure AI-based cataract and glaucoma diagnosis web application using federated learning (92% accuracy)
- Implemented full-stack architecture:
 - Next.js frontend with role-based dashboards for doctors and patients
 - Ensured privacy of patient data through decentralized model training across hospitals
 - FastAPI backend for federated learning coordination, appointment scheduling, and remote consultations

Live Demo: Cataracat-App

GreenGuard – Animated Website

Next.js, Tailwind CSS, TypeScript,Firebase, Data-Aos, shadcn/ui

- Developed a fully animated and responsive website promoting sustainability and eco-awareness
 - Integrated Firebase Authentication and Firestore to store user feedback and eco-pledges in real time
 - Utilized Framer Motion and Data AOS for smooth motion effects and engaging transitions
 - Increased user engagement by designing interactive eco-awareness components
- Live Demo: Full-Animated-Website

ProductStore – E-Commerce Web

Next.js, ReduxToolkit, OpenStreetMap

- Fetches product data from an external API and uses Redux Toolkit to manage cart and wishlist.
 - Integrated Stripe for payment, OpenstreetMap for city autocomplete
- Live Demo: E-Commerce-Store

Plymouth Business Directory

Next.js, MUI, Figma, shadcn/ui, Data AOS

- Built a front-end app with user/admin dashboards for managing business listings
 - Designed adaptive UI in Figma and implemented validation using shadcn/ui
- Live Demo: Plymouth-Business-Directory

ACHIEVEMENTS

- Top 5 in Coding Competition (COMSATS Attock, 2023)
- 3rd Position in SSC Exams (Marfie Foundation, 2014)
- 2nd position in Chinese writing competition (Suzhou Vocational University, China, 2019)

LANGUAGES

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

REFEREES

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