

# 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



## 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: Cataract-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**

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- 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**

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

## **REFEREES**

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