

Hanzala Yasin

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EDUCATION

COMSATS UNIVERSITY ISLAMABAD

Bachelor of Science in Computer Engineering

Islamabad, Pakistan

Sep 2020- Jan 2025

SKILLS

Languages: JavaScript, TypeScript, C/C++, Python.

Frontend: React.js, Next.js, Redux, Tailwind CSS, Payload CMS.

Backend: Node.js, Express.js, MongoDB, MySQL, PostgreSQL, REST APIs

Tools: Cursor, Copilot, Git, GitHub, AWS, Twilio API, Google APIs, Vercel, Render.

WORK EXPERIENCE

DAFINITIQ AI

Full Stack Developer

Islamabad, Pakistan

May 2025 – Present

- Built and deployed applications using Next.js, React, Node.js, MongoDB, and PostgreSQL for client dashboards, internal portals, and workflow automation.
- Developed AI-powered knowledge assistants using OpenAI, Gemini, pgvector, and MongoDB Atlas Search, enabling users to search company documents and external sources with grounded responses.
- Designed secure REST APIs, optimized database queries, and reduced average response times by up to 40% across production systems.
- Led end-to-end feature delivery from architecture to deployment using AWS, Vercel, and Render.
- Integrated Twilio, Slack, Google Calendar, and third-party APIs to automate notifications, scheduling, and communication workflows.
- Migrated and rebuilt enterprise websites into CMS-driven Next.js platforms with 50+ dynamic pages editable by non-technical teams.

NADRA

Web Development Intern

Islamabad, Pakistan

July 2024 – Aug 2024

- Built internal ASP.NET tools including an MFA management system, employee inventory tracker, and activity monitoring dashboard.
- Implemented backend logic in C#, ASP.NET, and SQL Server for authentication, reporting, and internal workflow automation.
- Collaborated with senior developers to improve internal system reliability and usability.

PROJECTS

2025/05 – 2025/05

RAG Chatbot (Production System) [Node.js, OpenAI API, Gemini API, Embeddings, Vector DB, Multi-Tenant Architecture]

Built a production-grade RAG chatbot using embeddings and vector search over uploaded documents and trusted sources. Reduced hallucinations through knowledge-grounded responses and scalable multi-tenant architecture.

2025/06 – 2025/06

Software House Internal Portal [React, Node.js, MongoDB, Slack API, Google Calendar API, Claude API]

Developed an internal portal with project tracking, analytics, and a Claude-powered chatbot. Integrated Slack and Google Calendar for communication and scheduling.

2025/07 – 2025/08

Website Restructure with Payload CMS & Next.js [Next.js, Payload CMS, React, Node.js]

Migrated a React + EJS website to Next.js and Payload CMS. Delivered a scalable 50+ page CMS-driven platform for non-technical teams.

2025/09 – 2025/10

EventEase: Full Stack Event Marketplace [React, Node.js, Stripe, WebSockets, MongoDB, Multi-Role System]

Built a multi-role event marketplace with real-time booking updates and quotation workflows. Integrated Stripe payments and admin dashboards for revenue tracking.

2025/10 – 2025/12

Donna Fitness [React, Node.js, TypeScript, Stripe, WhatsApp Integration, MongoDB Atlas, RAG Chatbot]

Built a fitness platform with subscription-based workout content, Stripe payments, and WhatsApp reminders. Added an AI RAG chatbot for personalized guidance.

CERTIFICATIONS & HONORS

Robian '22 & Roboci '22 (CUI-ISB)

- Winners of SUMO Robots Competition.

SUMO Robot Exhibitor, IEEE RAS Events.

- Presented our Robots in Sumo Exhibition

ADDITIONAL

Languages: English, Urdu

Interests: Cricket and Table Tennis