

MUHAMMAD HADI UL FAISAL

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OBJECTIVE

Software Engineer and Junior Backend Developer with hands-on experience building scalable REST APIs, enterprise web applications, and AI-powered systems using modern programming languages, authentication processes, and LLMs and automation techniques. Proficient in AI/ML implementation with a focus on streamlining workflows, enhancing operational efficiency, and delivering practical automation solutions that empower teams to work smarter.

EDUCATION

Bachelor of Science in Software Engineering, COMSATS University Islamabad 2022 - 2026

CGPA: 3.11/4.00

Relevant: Data Structures, OOP, DBMS, Software Engineering, Computer Networks, AI/ML

SKILLS

Backend	Node.js, Express.js, NestJS, REST API Design, JWT Authentication, OAuth, Web Sockets
Frontend	React.js, Next.js, HTML5, CSS3, Tailwind CSS
Databases	PostgreSQL, MongoDB, MySQL, Supabase, Firebase, Database Design & Optimization
AI/ML	Python, TensorFlow, PyTorch, OpenCV, NumPy, Pandas, LLMs
Testing & QA	STLC, Functional & Integration Testing, Business Rule Validation, Postman, Selenium
Others	Java, Flutter, Agile Methodologies, Scrum
Tools	VS Code, Figma, Canva, Jira, Trello, Git, GitHub, Vercel
Soft Skills	Communication, Documentation, Problem-Solving, Quick Learner, Team-work

EXPERIENCE

Full Stack Developer Feb 2026 - Present
BN Haus Islamabad, Pakistan

- Developed and managed the complete BN Haus website using Next.js, handling end-to-end development, deployment, maintenance, and feature enhancements.
- Built responsive and scalable web solutions by implementing frontend interfaces, backend functionality, API integrations, dynamic routing and reusable components.
- Optimized website performance and technical SEO through image optimization, lazy loading, metadata management, structured data, and close collaboration with the SEO team to enhance user experience and search visibility.
- Maintained deployment pipelines on Vercel with environment configuration and version control via GitHub.

Software Engineer Intern Aug 2025 - Sep 2025
OGDCL Islamabad, Pakistan

- Architected and deployed a scalable internal form management system using React.js, Node.js, Express.js, and Supabase, automating multi-step approval workflows.
- Implemented enterprise-grade Role-Based Access Control (RBAC) with Azure AD integration, securing authentication across the organization.
- Designed RESTful API endpoints, optimized form submission pipelines, and implemented server-side validation logic, improving processing efficiency.

PROJECTS

Crowd 360, Intelligent Video Analytics Platform

FYP (A grade)

- Built a full-stack, real-time crowd monitoring platform with AI-powered crowd density tracking, behaviour and anomaly alerting, weapon detection and virtual fencing.
- Developed NestJS backend services with REST APIs handling live video ingestion, AI pipeline, alert distribution, and event logging.
- Integrated MongoDB for time-series data storage and designed aggregation pipelines for dashboard analytics.
- Conducted unit, functional, integration, and business-rule testing across authentication, RBAC dashboard access.

Tech: Next.js, NestJS, Python, TensorFlow, OpenCV, MongoDB, REST API

Eco Track, Real-time Feedback & Analytics Platform

Built a scalable full-stack platform for customizable feedback collection featuring dynamic forms, real-time data pipelines, and organizational analytics dashboards.

Tech: Next.js, Firebase, REST API

Website URL: <https://eco-track-dkww.vercel.app/>

AI Chatbot

Designed and trained an NLP-based chatbot to classify user intents and automate query responses, demonstrating applied machine learning for real-world use cases.

Tech: Python

Github URL: <https://github.com/AbdulHadi05/AI-Chatbot>

CERTIFICATES

- Certificate of Auto Test Arena 1st Runner Up by CSES in CUI TECH Fest FA'25
- CCNAv7: Introduction to Networks course at COMSATS University Islamabad
- Certificate of participation in ILC Career Expo FA'24 in COMSATS University Islamabad