

Asad Meeran

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Summary

Computer Science graduate with hands-on experience in full-stack development (MERN, Next.js, Django), real-time systems, and AI-driven automation. Built and shipped 5+ projects spanning mobile apps, WebSocket platforms, and LLM-powered chatbots. Strong foundation in data structures, system design, and scalable architecture. Currently engineering production software at QuantumByte.

Experience

QuantumByte

Associate Software Engineer

Faisalabad, Pakistan

Jan 2026 – Present

- Build and maintain full-stack features using React, Node.js, Next.js, and Nest.js in an Agile engineering environment.
- Develop RESTful APIs, integrate third-party services, and contribute to modular backend architecture and code reviews.

FAST-NUCES

Teaching Assistant — Data Structures & Algorithms

Faisalabad, Pakistan

Jan 2024 – May 2024

- Mentored 50+ undergraduate students in DSA, algorithm design, and code optimization; graded assessments and held weekly office hours.
- Designed 6 assignments on linked lists, trees, and graphs with edge-case test suites — improved student debugging proficiency by **30%**.

EHM IT Services

Email Marketing Specialist

Faisalabad, Pakistan

Jun 2023 – Jun 2024

- Planned, executed, and A/B tested targeted campaigns; tracked CTR, conversion, and bounce metrics to continuously optimize lead generation.

Projects

Scrapify (Final Year Project) | *React.js, React Native, Node.js, PostgreSQL, Stripe*

- Engineered a cross-platform waste management marketplace with real-time rider tracking, geolocation image capture, and Stripe payment processing.
- Designed full system architecture (DFDs, deployment & package diagrams); built B2B flows, subscription model, and admin monitoring dashboard.

WhatsApp Automation Tool | *OpenAI API, Python, Flask, Next.js, N8N*

- Built an end-to-end AI chatbot automating FAQs, order intake, live-location pickup, rider assignment, and receipt delivery via a Next.js admin portal.

WeChat | *Node.js, Express, WebSocket*

- Developed a real-time messaging app supporting **500+ concurrent users** with low-latency WebSocket communication and optimized connection handling.

E-Commerce Management System | *C#, MySQL, Windows Forms, Power BI*

- Desktop platform for product/order management with integrated Power BI dashboards; improved operational efficiency by **40%**.

Airline Reservation System | *Node.js, Express, MySQL, JavaScript, Bootstrap*

- Full-stack platform with real-time booking, role-based access control, email notifications, and RESTful APIs.

Education

National University of Computer and Emerging Sciences (FAST-NUCES)

Bachelor of Science in Computer Science

Faisalabad, Pakistan

Aug 2021 – Aug 2025

- **Relevant Coursework:** Data Structures & Algorithms, OOP, Database Systems, Artificial Intelligence, Software Engineering, Digital Image Processing & GIS.

Technical Skills

Languages: C, C++, C#, Python, JavaScript (ES6+), TypeScript

Frontend: React.js, React Native, Next.js, HTML5, CSS3, Bootstrap

Backend: Node.js, Express.js, Nest.js, Django REST Framework, Flask, WebSocket

Databases: PostgreSQL, MySQL, MongoDB

AI / Automation: OpenAI API, N8N, LLM Integration, OpenCV

Tools: Git, Jira, Power BI, Streamlit, Plotly, Shell Scripting, Ubuntu, Stripe API