

Muzzammil Ahmed

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SUMMARY

Final year Software Engineering student at NED University (Class of 2027) with 1.5+ years of experience building scalable REST APIs, full-stack web apps, and cross-platform mobile applications in production environments. Currently focused on AI automation, LLM integration, and intelligent chatbot development.

EXPERIENCE

Associate Node.js Developer

vativeApps | App Development Company

05/2024 – 07/2025

Karachi, Pakistan

- Architected Node.js/Express backends on AWS with RESTful APIs and Socket.IO for real-time, multi-user production systems
- Optimized SQL schemas via indexing and refactoring; awarded Employee of the Month for rapid delivery of critical modules

Node.js Developer — Internship

vativeApps | App Development Company

02/2024 – 04/2024

Karachi, Pakistan

- Built backend features in Node.js/Express covering API design, database integration, and debugging; earned promotion to Associate Developer within 3 months

EDUCATION

NED University of Engineering and Technology

Bachelor of Engineering (BE) in Software Engineering — CGPA: 3.86

08/2023 – 08/2027

Karachi, Pakistan

Highbrow College

A-Levels in Pre-Engineering — Straight A* (92%)

08/2021 – 08/2023

Karachi, Pakistan

TECHNICAL SKILLS

Node.js / Express.js: RESTful APIs, middleware, JWT auth, AWS deployment with SSL and domain management.

React / Next.js: Component-based UIs with hooks and context; SSR and SSG for full-stack web apps.

Flutter: Cross-platform mobile apps with state management, navigation, and REST API integration.

Python: ML workflows, data preprocessing, and scripting; exploring Computer Vision and NLP.

C#: Desktop apps with WPF, OOP design, SQL integration, and PDF generation.

AI / Automation: RAG pipelines with LangChain, LLM integration, and workflow automation using n8n.

Database: MongoDB (aggregation, indexing) and SQL for structured data management and reporting.

CERTIFICATIONS

Certified Web Engineering Professional - NED Academy

07/2023 – 09/2023

PROJECTS

Chateo | Node.js, Socket.IO, MongoDB, Express.js

- Real-time chat app with one-to-one/group messaging, reactions, threaded replies, and push notifications

Spaze / WorkBox | Node.js, Express.js, SQL, REST APIs

- Booking platform for arenas and co-working spaces with JWT auth, wallet payments, and role-based access

Edu-Learn / Edu-Teach | *Flutter, Node.js, Express.js, MongoDB*

- Paired LMS apps for teachers and students with attendance, quizzes, flashcards, and performance analytics

QuizFlashAI | *C#, WPF, SQL, AI/ML*

- Desktop learning app with AI-generated quizzes, flashcards, and notes from uploaded documents

Shop.co — E-Commerce Platform | *React, Node.js, MongoDB*

- Full-stack retail app with React storefront and Node.js REST API handling auth and catalogue CRUD

Study Buddy — Personalized AI Chatbot | *Python, LangChain, RAG, FastAPI*

- RAG-based chatbot that ingests notes and PDFs to answer questions and generate study content