

# Shayan Zaheer

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## EDUCATION

**NED University of Engineering and Technology**  
*Bachelor of Engineering in Software Engineering, CGPA: 3.63*

Karachi, Sindh  
Oct. 2022 – Oct. 2026

## PROFILE SUMMARY

Software Engineering student skilled in building scalable web apps, real-time systems, and collaborative tools using React, Node.js, Next.js, and .NET. Strong problem-solving and teamwork skills, delivering impactful projects with measurable outcomes.

## ACHIEVEMENTS

- Secured **1st place** in the [Fullstack Frenzy competition at Teknofest Pakistan 2024](#).
- Earned **1st place** in the [GoodCore CodeSphere 2.0 – Build for Better Hackathon](#).
- FYP **Phonolytics** secured a position in the **Top 10** out of **60+ startups and FYPs** at [Teknofest Pakistan 2026](#).
- Achieved **5th position** in the [Web Development competition at IBA ProBattle 2025](#).
- Earned certification as **2nd Runner Up** in [Competitive Programming competition \(CodeSphere\)](#).

## WORK EXPERIENCE

- Associate Software Engineer – IOMechs** Oct. 2025 – Present  
*React Native, Expo, Firebase, NestJS* Karachi, PK
- Built a **barber appointment mobile app** using Expo, React Query, NativeWind, Firebase, NestJS, TypeORM, and PostgreSQL.
  - Developing an **event registration platform** with Redux Toolkit and RTK Query; optimizing caching for **40% expected performance gain** and **1,000+ concurrent users**.
- Contract Developer – One Consultant LTD.** Jan. 2025 – Aug. 2025  
*Next.js, Node.js, Express.js, MongoDB, Stripe* Remote
- Developed a **subscription-based course platform** with Stripe integration, enabling secure payments and multi-device streaming.

## PROJECTS

- Phonolytics** | React, FastAPI, Gladia, Qwen3, Tavily, Redis, PostgreSQL August. 2025 – Present
- Built an **AI-driven conversation intelligence platform** providing real-time transcription, sentiment analysis, automated call scoring, and live coaching insights to improve agent performance and operational efficiency across sales, support, and BPO industries.
- GemVault** | Ethereum, MetaMask, Solidity, Next.js, Node.js, Express.js, PostgreSQL Feb. 2025 – May 2025
- Built a **blockchain-powered gemstone marketplace** with on-chain **certificate hash verification**, reducing fraud by **70%**. Automated ownership transfers via **SafePay** and **smart contracts**.
- ExoPlanetarium** | React, Node.js, Express.js, MongoDB, React Three Fiber, Firebase, LLaMA Oct. 2024
- Created an **immersive 3D learning platform** on exoplanets with an **AI chatbot (LLaMA)**, interactive quizzes, and blogs. Improved user engagement by **40%** using **Firestore real-time updates**.
- StreamEase** | React, .NET/Node.js + Express.js, SQL Server/MySQL, AWS S3 Jun. 2024 – Aug. 2024
- Engineered a **scalable video streaming platform** with dual backends (.NET and Node.js) and multi-database support. Reduced load times by **40%** and optimized **video playback** across devices.
- EZScript** | React, Node.js, Socket.io May 2024
- Developed a collaborative web-based IDE supporting **real-time code editing** and execution in multiple languages. Increased developer productivity by **50%** through **syntax highlighting** and an **intuitive UI**.

## TECHNICAL SKILLS

**Programming:** HTML/CSS, JavaScript, Python, SQL, React.js, Next.js, Tailwind CSS, Node.js, Express.js, .NET, MySQL/PostgreSQL, MongoDB  
**Tools:** Git, VS Code, Docker, AWS, Azure