Jawad Rafique

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PROFESSIONAL SUMMARY

Software Engineer with experience building production web applications across modern frontend frameworks (React, Angular) and backend services (NestJS, Express, Go). Strong foundation in systems/performance work with Rust and C++, with an interest in AI/ML and LLM-driven features. Comfortable owning features end-to-end—from requirements to deployment-ready delivery.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Rust, C/C++
Frontend: React, Next.js, Angular, Tailwind CSS, Bootstrap
Backend: Node.js, NestJS, Express, Go
Databases: PostgreSQL, MongoDB, MySQL
Other: REST APIs, Auth (JWT), System design, Performance tuning, LLM integration

PROJECTS

Teacher Feedback System
Angular, NestJS, Go, AI integration

- Built a full-stack teacher evaluation platform and integrated AI-assisted feedback analysis.
- Designed scalable services/APIs using NestJS and Go with clear module boundaries.
- Implemented authentication/authorization and analytics dashboards for administrators.

URL Shortener   GitHub
Node.js, Express, MongoDB

- Built a URL shortening service with a clean REST API and persistent storage.
- Added user authentication and click analytics (per-link tracking and reporting).

News Application   GitHub
React

- Developed a responsive news app with reusable components and predictable state management.
- Integrated external APIs with loading/error states and optimized client-side rendering.

Teyrs – Terminal File Explorer   GitHub
Rust

- Built a terminal-based file explorer focused on performance and usability.
- Leveraged Rust's memory safety and concurrency features.

Additional Projects: Snayke (C++/SFML), Pyxoim (Python/PyQt5), PyResumay (Python)   GitHub

EDUCATION

Bachelor of Science in Computer Science   2025 – Present
National University of Technology, Islamabad
GPA: 3.7 / 4.0 (A+)

CERTIFICATIONS

AI Fundamentals (IBM, 2025) | JavaScript (Intermediate) (HackerRank, 2025) | Frontend Developer (React) (HackerRank, 2025) | Backend Development & APIs (freeCodeCamp, 2022) | Using Python to Interact with OS (Coursera, 2022) | Python Essentials (Virtual University, 2025)

LANGUAGES

Urdu (Fluent), English (Intermediate)

INTERESTS

Open-source contribution, systems programming, emerging technologies