

AYUSH PATIL

Full Stack Engineer

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Summary

Full Stack Engineer with hands-on experience building scalable backend systems and full-stack applications. Strong foundation in data structures, algorithms, and object-oriented design. Skilled in developing RESTful APIs, managing databases, and deploying scalable applications. Passionate about writing clean, maintainable code and delivering user-focused solutions in fast-paced environments.

Technical Skills

Languages: Python, JavaScript (ES6+), TypeScript

Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Shadcn

Backend: Node.js, Bun, Express.js, Flask, REST APIs

Databases: MySQL, PostgreSQL, MongoDB, Redis

Tools & Platforms: Git, GitHub, Docker, Postman, Claude Code

Core CS Concepts: Data Structures, Algorithms, Complexity Analysis, OOP, DBMS, AI, Machine Learning

Concepts: Authentication, Distributed Systems Basics, System Design Fundamentals

Experience

Web Developer Intern

July 2025 – November 2025

ConnectFor

- Built websites for NGOs to support social impact initiatives and improve online presence.

Projects

URL Shortener Backend Service | *Postgres, Docker, Node.JS, Express.js, JWT, TypeScript* | [GitHub](#)

- Designed and developed a production-ready URL shortening service with custom short codes, redirection, and click analytics.
- Implemented secure authentication with JWT access/refresh tokens, token rotation, email verification, and password reset flows.
- Built a scalable REST API using Node.js, Express, TypeScript, and PostgreSQL with Drizzle ORM and structured service architecture.
- Enhanced security and performance using rate limiting, HTTP-only cookies, bcrypt hashing, Helmet, and Zod-based input validation.

Developer Profile & Link Page Builder | *Next.js, TypeScript, PostgreSQL, Drizzle ORM* | [GitHub](#) | [Live Demo](#)

- Built a scalable full-stack platform enabling developers to create customizable portfolio pages with a single shareable endpoint
- Designed backend services and data models using serverless PostgreSQL (Neon) and Drizzle ORM for efficient querying and performance
- Integrated external APIs (GitHub, LeetCode, Dev.to) to dynamically display real-time developer activity and content
- Implemented analytics tracking and a drag-and-drop interface for link management, improving user customization and engagement

Website for NGO – Lavanya Foundation | *HTML, CSS, JavaScript, Firebase*

- Developed a dynamic web platform with real-time content management using Firebase Firestore
- Built secure admin dashboard with authentication and role-based access
- Designed scalable CMS system enabling non-technical users to manage content

Awards & Certifications

- **Python for Data Science, AI & Development – IBM (Coursera):** Credential Link.
- **Programming with JavaScript – Meta (Coursera):** Credential Link.
- **Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate – Oracle:** Credential Link.

Education

B.E. Artificial Intelligence

Expected Graduation: 2028

Dr. D. Y. Patil Institute of Technology, Pune