

Aditya Pandey

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📁 Portfolio

Education

National Institute of Advanced Manufacturing Technology, Ranchi

Nov. 2022 – June 2026

B.Tech. Computer Engineering CGPA: 7.9

Ranchi, Jharkhand

Experience

Member of Technical Staff

Jan 2026 – Present

SurveySparrow

Chennai, India

- Offered a **full-time MTS role within 5 months** of joining as a Frontend Intern, based on performance during the internship.
- Built pixel-perfect, accessible UI components using **React** to improve design consistency across core SaaS workflows.
- Optimized performance and API state handling with **TanStack Query**, reducing redundant fetches and improving UX.
- Collaborated with backend, designers, and QA teams to deliver scalable, production-ready features in a fast-paced SaaS setup.

Frontend Development Intern

Dec 2024 – Jun 2025

Shamlatech Solutions

Coimbatore, India

- Architected scalable frontend applications using **React** and **Astro**, serving over **50K users** with optimized performance.
- Developed and optimized 15+ responsive web pages from **Figma** designs using **Bootstrap** and **TailwindCSS**, ensuring seamless performance across 5+ device breakpoints.
- Enhanced cross-platform user experience by achieving **85–90%** page performance scores through code optimization.

Skills

Languages: C, C++, JavaScript, TypeScript, SQL

Developer Tools: VS Code, Git, GitHub, GitLab, Vercel, Postman, Docker

Tech./Frameworks: HTML, CSS, React, Astro, Node.js, Express.js, REST APIs, MongoDB, PostgreSQL, Bootstrap, TailwindCSS, Appwrite, Prisma, Mongoose, Axios

Relevant Coursework: Operating Systems, Computer Networks, DBMS, DSA, Software Engineering, OOPS,

Projects

SkillSphere - Learning Management System 🌐 | MERN, Node.js, Express.js, React, MongoDB, TailwindCSS, Vite

- Built a full-scale **Learning Management System** with **20+ RESTful APIs**, implementing **JWT authentication** and role-based access for students and instructors.
- Developed a scalable **backend** using **MongoDB**, **MVC architecture**, 5 normalized data models, and optimized indexing for performance.
- Created a responsive **frontend** with **35+ reusable React components**, Context API state management, protected routes, and Radix UI integration.
- Integrated **Cloudinary CDN** for media handling and **PayPal SDK** for payments, deploying the application on **Vercel** with environment-based configuration.

Shortifi 🌐 | Node.js, Express.js, PostgreSQL, React, Zustand, OAuth 2.0, Vercel, MagicUI, ShadCN

- Built a **full-stack URL shortener** with **15 REST endpoints**, a **PostgreSQL** database, and **22 modular components**.
- Designed a normalized **PostgreSQL schema** with **4 tables** to manage users, links, and detailed **analytics tracking** including device, browser, and location.
- Implemented **JWT authentication**, **Google OAuth 2.0**, **QR code generation**, and a comprehensive **click analytics dashboard**.

Multi-Threaded Proxy Web Server 🌐 | C, Pthread, LRU, Socket Programming

- Implemented a **multi-threaded HTTP proxy server** using **pthreads** and **semaphores**, handling **10+ concurrent client connections** safely.
- Designed an efficient **LRU caching mechanism** with **mutex locks**, reducing repeated request latency while ensuring thread safety.
- Processed **150+ HTTP requests** successfully, demonstrating strong understanding of **system-level programming** and socket communication.

Achievements

- Solved **550+** DSA problems across multiple platforms, maintaining a **1600+** LeetCode rating 📈.
- Finalist at **IIT Dhanbad Hackathon** among **749+** teams, developing an **AI Snipping Tool Chrome Extension** 📈.
- Collaborated with 5+ startups on **growth** and **partnership** initiatives in fast-paced environments.
- Founded **NIAMT GDG on Campus** chapter and as Core Team Member of GDG Ranchi, led and organized **Google's DevFest** for 1000+ attendees across 20+ colleges, managing partnerships and speakers.