

ADITYA PANDEY

NIAMT Ranchi, (Formerly NIFFT)

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Education

Year	Degree/Certificate	Institute	CGPA/%
2022 - 2026	B.Tech in Computer Engineering	National Institute of Advanced Manufacturing Technology, Ranchi	7.8/10
2021	Intermediate	Sanghmitra Public School, Siwan	89%
2019	Matriculation	Sanghmitra Public School, Siwan	94%

Experience

Shamlatech Solutions

Dec 24 – Jun 25

Frontend Development Intern

Coimbatore, India

- Architected and maintained 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 and QA testing protocols.
- Streamlined development processes by implementing **Agile best practices** and Git workflows, reducing deployment time by **35%**.

Projects

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

- Built **LMS** with 20+ **RESTful APIs**, **JWT authentication**, role-based access for students and instructors.
- Developed scalable **backend** with **MongoDB**, 5 normalized models, **MVC architecture**, proper indexing.
- Created responsive **frontend** with 35+ reusable components, **Context API**, protected routing, Radix UI.
- Integrated **Cloudinary CDN** for media and **PayPal SDK** payments, deploying on **Vercel** with env config.

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

- Built **full-stack URL shortener** with **15 REST endpoints**, **PostgreSQL** database, and **22 React components**.
- Designed **PostgreSQL** schema with **4 tables** for users, links, and **analytics tracking** device, browser, location.
- Implemented **JWT auth** **Google OAuth 2.0**, **QR code generation**, and **click analytics dashboard** features.

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

- Built using **pthreads** and **semaphores**, managing 10+ concurrent connections with thread-safe request handling.
- Implemented **LRU caching** with **mutex locks**, reducing repeat request times while maintaining thread safety.
- Developed **HTTP proxy system** processing 150+ test requests efficiently, demonstrating **system programming** concepts.

Technical Skills

Languages: C, C++, JavaScript, Typescript, SQL, Python

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

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

Relevant Coursework: Operating System, Computer Networks, Database Management System, Data Structures & Algorithms, Machine Learning, Software Engineering, Object-Oriented Programming, Digital Manufacturing

Achievements

- Awarded **LeetCode Badge** - achieved by top **6.9%** of LeetCodeers for consistent problem-solving.
- Solved **450+** DSA problems across multiple platforms with focus on algorithms and achieved **1600+** LeetCode rating.
- Finalist at **IIT Dhanbad Hackathon** among **749+** teams, developing an **AI Snipping Tool Chrome Extension**.
- Worked with 5+ startups collaborating with **growth** and **partnership** initiatives in fast-paced environments.

Leadership / Extracurricular

GDG on Campus Organizer NIAMT

Aug 24 – Aug 25

- Founded and led the **inaugural chapter** at NIAMT, establishing the first Google developer community.

Core Team Member, Google Developers Group, Ranchi

May 24 – Jun 25

- Organized Google DevFest with **1000+** attendees across **20+** colleges, collaboration, partnerships and speaker coordination.