

# SUYASH PANDEY

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## EDUCATION

**Indian Institute of Information Technology, Ranchi**

Ranchi, Jharkhand

Bachelor of Technology in Computer Science and Engineering, *CGPA: 8.93/10*

2023 – 2027

## EXPERIENCE

**SecNode** | *Completion Certificate*

August 2025 - September 2025

*Full Stack Developer Intern*

Remote

- Engineered real-time scan progress updates with **SSE** and **WebSockets** in **Node.js/Express.js**.
- Integrated **OWASP ZAP** with **headless Chrome** agent for automated vulnerability scans.
- Implemented **AI-based reporting** to generate and deliver concise vulnerability summaries post-scan.
- Designed backend workflows to start, stop, log, and sync scans between browser agents and ZAP, and optimized **PostgreSQL** queries for efficient data retrieval.
- Optimized API gateway with **Nginx reverse proxy** for security and performance.
- Enhanced multiple frontend components in **React.js**, **TypeScript**, and **Tailwind CSS**, including dashboards for monitoring scan progress and results.

**HR Sutra**

May 2025 - August 2025

*Full Stack Developer Intern*

Remote

- Led system architecture, defining user flows and selecting the technology stack.
- Created the complete backend with **Node.js** and **Express.js**, including database schema design, delivering **~90%** of API integrations and optimization using **MongoDB** and **Redis**.
- Developed **40%** of the frontend, including responsive visitor pages (landing, article, contributor) and the complete admin panel using **Next.js**, **React.js** and **Tailwind CSS**.
- Collaborated with the team to implement **UI/UX** designs, ensuring cross-browser compatibility.
- Containerized application using **Docker** for consistent deployment and scalability.

## SKILLS

**Programming Languages:** C/C++, Python, TypeScript, JavaScript, SQL

**Web Development:** Microservices, Full-stack development, RESTful APIs, Frontend (React.js, Next.js, Tailwind CSS), Backend (Node.js, Express.js, GraphQL)

**Concepts:** Data structures and Algorithms, Object-Oriented Programming, DBMS, Version Control (Git)

**Libraries/Frameworks:** Next.js, React.js, React Native, Redux, Node.js, Express.js, FastAPI, NestJS, GraphQL, Drizzle ORM, Prisma, TanStack Query, Zustand, BullMQ, Socket.io, GSAP, Three.js, Aceternity UI, Shadcn UI, EJS, Pandas, NumPy, Matplotlib, Scikit-learn

**Tools/Platforms:** Docker, DockerHub, Git, GitHub, Nginx, Postman, Figma, Canva, Redis, Neon, Convex, Appwrite, Firebase, Supabase, Arcjet, Sentry.io, Google Cloud Platform, AWS(S3, EC2, EKS, Lambda)

**Databases:** MongoDB, PostgreSQL, MySQL

## PROJECTS

**Chatzy:** [Live Link](#) | [Source Code](#)

*React.js, Node.js, Express.js, MongoDB, Docker*

- Built a **MERN**-based real-time chat platform enabling instant messaging and online user interaction.
- Features:** Text and image messaging, AI chatbot (**Gemini API**), OTP authentication, user search, online status filtering, and 32 customizable themes.
- Leveraged **Zustand** for state management and containerized with **Docker** for scalable deployment.
- Utilized **Cloudinary** for image storage and built a responsive UI with **Tailwind CSS** + **Daisy UI**.

**Devium:** [Live Link](#) | [Source Code](#)

*Next.js, TypeScript, Convex, Docker, Clerk*

- Developed an interactive code editor with real-time execution, code sharing and collaboration.
- Features:** User dashboard, Snippet starring, commenting, execution stats and theme customization.
- Integrated **Clerk** authentication, **Zustand** state management, and **Convex** real-time database.
- Designed scalable **Dockerized** architecture; enabled tiered pricing via **LemonSqueezy**.

## ACHIEVEMENTS

- Semifinalist**, Flipkart Grid 7.0.
- CodeChef 3-star** (1672), **Codeforces Pupil**, **LeetCode 350+** problems.
- Second Runner-Up**, RBI@90 State-Level Quiz (Top 3 of 200+ teams).