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 - October 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 - July 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, NestJS, GraphQL, Drizzle ORM, Prisma, TanStack Query, Zustand, Socket.io, GSAP, Three.js, Acerternity UI, Shadcn UI, EJS, Pandas, NumPy, Matplotlib, Scikit-learn
Tools/Platforms: Docker, DockerHub, Git, GitHub, GitHub Actions, Nginx, Postman, Figma, Canva, Redis, Neon, Convex, Appwrite, Firebase, Supabase, Arcjet, Sentry.io, Google Cloud Platform, Vercel, Render
Databases: MongoDB, PostgreSQL, MySQL

PROJECTS

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**.

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**.

ACHIEVEMENTS

- **Semifinalist**, Flipkart Grid 7.0.
- Achieved a **3-star** rating on **CodeChef** (Max rating: **1662**).
- **Second Runner-Up**, RBI@90 State-Level Quiz (Top 3 of 200+ teams).