Prem Sai Kota

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EDUCATION

Sreenidhi Institute of Science and Technology (SNIST) Hyderabad, India
B.Tech in Electronics and Communication Engineering 2023 – 2027
CGPA: 8.79 / 10

WORK HISTORY

Software Developer, ElevateBox Oct 2026 – Present

- Delivered TRH360, my first project at the company: a healthcare app where patients book doctors, order medicines and lab tests, and get help from care guides. One of three engineers.
- Built the apps doctors and care guides use to run consultations, write prescriptions and manage their accounts, using SvelteKit and TypeScript.
- Turned the web app into separate Android apps for patients, doctors and care guides, and added Razorpay so patients can pay inside the app.
- Built medicine and lab-test ordering, including automatic cancellation of orders a pharmacy accepts but never delivers.
- Added PostHog so the team could see how people used the app and catch errors as soon as they happened.

Full-Stack Developer Intern, RigorBase Mar 2026 – Apr 2026

- Built the sign-up system for the closed beta, letting early users join safely through OAuth login with Redis rate limiting.
- Built dashboards that show learners their practice and progress, with badges and quizzes that adapt to how they are doing.
- Moved the product's frontend to a new design system so every page looks and behaves the same way.

Technical Head, Cloud Community Club (C3), SNIST Nov 2024 – Present

- Rebuilt the club website that 1,000+ students use to join the club, register for hackathons and check college bus routes, using Next.js, Express and MongoDB.
- Protected the website's backend against common attacks such as injection and brute-force logins, and set up automatic testing and deployment with GitHub Actions.

PROJECTS

Mahayuddh: practise coding problems with friends Live | GitHub

- Built a web app where groups of friends solve one LeetCode problem a day and see who solved it and how. 108 people have signed up so far.
- Kept each user's data private at the database level with PostgreSQL row-level security, and wrote 324 automated tests for security and core features.

NEXUS: voice assistant for your computer GitHub

- Brought a voice assistant that opens apps, controls media and manages files to Linux, writing it in Rust and Tauri.
- Made it respond to its wake word about 12 times faster (106 ms down to 8.4 ms) by processing audio inside the app.

Zync: real-time workspace for remote teams Live | GitHub

- Built a shared workspace where teams edit notes together live, plan tasks and follow GitHub activity, using React, Node.js and Socket.io.
- Made tasks move on the team's board automatically when someone pushes a matching GitHub commit.

ServX: server monitoring for developers Live | GitHub

- Built a dashboard that alerts developers when their servers break, and scans their code for security weaknesses.
- Made the site load much faster by shrinking its first download from 2.6 MB to 60 kB.

SKILLS

Languages: JavaScript, TypeScript, Python, Java, Rust, C++, SQL
Web: React, Next.js, Node.js, Express, SvelteKit, Tailwind CSS, REST APIs, WebSockets
Data & Cloud: PostgreSQL, MongoDB, Redis, AWS, Supabase, Firebase, Docker, GitHub Actions, Git

ACHIEVEMENTS

- 5th place out of 230+ teams at JNTUH HackFusion-2K26, a national 48-hour hackathon.
- Won both prize tracks at the Brainrot Hackathon, out of 1,224 participants.