

Skills

- MERN, Javascript, Redux, TypeScript, Next.JS

Experience

Software Developer Intern

Jan 2025 - Mar 2026

Iota Square Inc.

- Engineered a Propulsion Engineer Portal for analyzing real-time telemetry information, detecting anomalies, and tracking historical combustion performance parameters.
- Developed a Test Director Dashboard for viewing real-time information across multiple stands, scheduling firings, restricting access based on roles, and analyzing propulsion systems.
- Used a design that involved two user interfaces tailored towards propulsion engineers and test directors.
- Tech Stack: [MERN, typescript, Nextjs]

Software Developer

Aug 2021 - Mar 2023

Arav Systems Pvt. Ltd.

- Led a team of 4 members & deliver two major projects, focusing on scalable & user-centric web applications.
- Optimized data retrieval processes, consolidating 5 API calls per page into 2, leading to a 30% productivity boost and enhanced application performance.
- Developed and maintained front-end applications with React (JavaScript/TypeScript) and Redux; managed MongoDB-based data storage.
- Tech Stack: [React.js, TypeScript, Redux, MongoDB, API Design]

Junior Software Developer (Intern)

Aug 2020 - Oct 2020

ProCohat Technologies Pvt. Ltd.

- Developed a scalable Point of Sale (POS) system for vendors.
- Handled product management for Approx. 500 items with smooth performance & 99% uptime.
- Tech Stack: [React.js, Material UI, Node.js, Redux, firebase]

Projects

MedicoAid Real-Time Disease Detection & Patient Monitoring

🔗 <https://github.com/SohanR09/medicoaid-app>

- Built a cross-platform PWA for real-time disease detection (diabetes, eczema, lung cancer, pneumonia) using AI/ML models on X-rays and MRIs, achieving 95–98% prediction accuracy.
- Tech stack: [Reactjs, Redux, Nodejs, ExpressJs]

Event Management Booking System

🔗 <https://bookticketv1.vercel.app/>

- Built a **JWT-authenticated** booking platform with seat reservation, and **atomic wallet transactions** for booking.
- Tech stack: [NextJs, Shadcn, Tailwindcss]

Achievements

Co-authored a book chapter "*Blood Oxygen Level and Pulse Rate Monitoring Using IoT and Cloud-Based Data Storage*" in *Cloud Computing Technologies for Smart Agriculture and Healthcare* (2021)

Education

Government College of Engineering, Nagpur

2021

BE/B.Tech/Bs