

HIRENDRA B

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EDUCATION

Srimathi Sundaravalli Memorial School, Chennai

2017 - 2021

Narayana e-techno School, Chennai

2021-2023

Vellore Institute of Technology Chennai

2023-2027

- CGPA: 8.28
- B.Tech Electronics and Computer Engineering

SKILLS

Programming Languages:

- Python, Java, C, C++, JavaScript, TypeScript

Frontend Technologies:

- HTML5, CSS3, React.js, Next.js, React Native, Tailwind CSS, NativeWind CSS, Svelte

Backend & Databases:

- Node.js, Express.js, MongoDB, Firebase, Prisma ORM, PostgreSQL

Developer Tools & Platforms:

- Git, GitHub, Vercel, Kaggle, Google Colab

Soft Skills:

- Team Collaboration, Problem Solving, Time Management, Leadership

EXPERIENCE

IEEE Robotics and Automation Chapter VITC (Nov 2024 – Present)

Member of Web Development Department

- Developed responsive Next.js components for a workshop event website.
- Built frontend components using Svelte and Tailwind CSS.

PROJECTS

Focus-Monitor

- It is a full-stack MERN app that boosts productivity with a Pomodoro timer, task manager, and real-time focus tracking. It uses facial analysis, eye-tracking, and AI insights to help users stay sharp, reduce stress, and work smarter.

Smart-Helmet System

- Developed a smart helmet system with app-controlled alcohol detection, ignition lock, overspeeding alerts, and fall detection with SOS messaging. Enhanced rider safety through real-time monitoring, vehicle connectivity, and automated emergency response.

Weather-App and mini-projects

- Built a React.js-based application integrating real-time weather data through APIs, achieving a user-friendly interface and optimized data fetching.. I have done some mini projects using HTML, CSS and Javascript.