Yogesh Siwan

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EDUCATION

• **Indian Institute of Technology , Roorkee** *July 2020 - July 2024*
B.Tech in Mechanical and Industrial Engineering Roorkee, India
◦ GPA: 7.16/10

WORK EXPERIENCE

Grid OS [🌐] *October 2024 - Present*
SDE-1 Noida, India

• Developed software tools for automating **product lifecycle processes**, including **backend verification**, **software update**, and **in-line Quality Control (QC)** for testing the peripherals.

• Implemented state management solutions using **Redux**, reducing state update latency and improving debugging efficiency.

• Built full-stack features using the **MERN stack** and integrated **Electron.js** for accessing desktop modules.

• Built a scalable **Node.js** backend for data retrieval and stage updates for 3,000+ products, with Swagger documentation.

• Developed an Inventory Management application with integrated order processing capabilities, streamlining supply chain operations by automating manual data entry and Excel-based workflows.

• **Sarvm** *July 2024 - September 2024*
Front-end Developer Intern Remote
◦ Achieved a **23% reduction** in initial load times of website, using code splitting techniques thus significantly boosting web performance.
◦ Enhanced user interaction by implementing dynamic UI components in ReactJS.

PROJECTS

• **Calendar App :** ⌨ 🌐 *October 2024 - October 2024*
Using: React.js | Express.js | MongoDB | Node.js
◦ Developed a **Calendar application** enabling users to **create, update, and delete events**.
◦ Integrated **automated Email Notifications** using **cron jobs** to schedule event reminders.

• **E-commerce Website :** ⌨ 🌐 *September 2024 - October 2024*
Using: Node.js | MongoDB | Express.js | CSS | HTML
◦ Built an **e-commerce app** using **Node.js**, **Express.js**, and **MongoDB**, with **EJS** for server-side rendering.
◦ Implemented **Google OAuth** for secure and seamless user authentication.

• **Food Ordering App :** ⌨ 🌐 *July 2024 - August 2024*
Using: React.js | CSS | HTML
◦ Built a **food ordering website** with **cart functionality** and category-based menu filtering.
◦ Integrated **Firebase-based** user authentication for secure login and **multilingual** support.

TECHNICAL SKILLS

• **Frameworks & Libraries:** React.js, Next.js, Redux, React Native, Electron.js, Node.js, Express.js

• **Programming Languages:** JavaScript, Python, C++, Dart

• **Development Tools:** Git, GitHub, Postman, Docker

ACHIEVEMENTS

• **Indian Case Challenge - IIT Kharagpur** *January 2023*
◦ Secured **third place** in the national competition by strategizing a vision for **TATA** to establish a **semiconductor fabrication plant** in **India**, focusing on technological and economic feasibility.

• **Sutra Management Consultancy Case Challenge** *November 2022*
◦ **Achieved third place** in the competition by analyzing a banking firm's dataset to identify key factors contributing to **loan defaults**, delivering actionable insights for **risk mitigation**.