SACHIN THOKALE

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SKILLS

- **Languages**   JavaScript, Python
- **Front-end**   React-js, D3-js, Tailwind CSS, Material UI , HTML, CSS
- **Back-end**   Node-js, Express-js, MongoDB, Socket.IO, Flask
- **Tools**   Git, Git-Hub, VS-Code

EXPERIENCE

SnapSmart   September 2023 – May 2024
Full stack developer

- Developed a **B2B** supply chain **IoT software** utilizing the MERN stack **(MongoDB, Express.js, React, Node.js)**
- Developed a **Flask** application responsible for generating daily IoT device data in **PDF and Excel formats contain Charts and tables**
- Utilized Flask, **SMTP, Python, MongoDB, AWS Lambda, ReportLab, and XlsxWriter** for the application
- Integrated functionality to **automatically send** generated reports to users via **email**
- Designed and implemented interactive **floor plans for IoT device** management using **D3.js and React**
- Enabled **real-time visualization** of IoT device locations and status on floor plans.
- Implemented features to **adjust the position of IoT devices** within the floor plan
- Integrated **live sensor data display** for monitoring and analysis purposes.

PROJECTS

Zoo-Gamble | Real-Time Multiplayer Betting Game | Git-Frontend Git-Backend Active

- Developed a real-time betting game where players use **virtual coins to bet on animals within 1-minute round**
- Implemented **real-time updates using socket.IO** for seamless game **status and results**
- Created **responsive UI with react.js and Tailwind CSS** displaying coin balance, placed bets and winning history
- Built a backend algorithm using **Express-js** and **MongoDB** to declare the **result animal with minimum bet placed by all user as the winner**
- Enabled **admin functionalities** to send coins to user and reset user passwords
- **Json web token** based Authentication and Authorization using **access and refresh tokens**

Ecommerce Store | MERN Application, Redux toolkit | GitHub Link Active Link

- Designed and developed a feature-rich E-commerce store for seamless online shopping.
- Implemented **authentication and authorization** for secure access to personalized features.
- Created a dynamic product catalog allowing users to explore and find **products category-wise.**
- Implemented essential e-commerce functionalities such as **adding products to the cart and deleting items.**
- Developed a **user-friendly cart system**, providing users with a clear overview of their **selected products.**

EDUCATION

Pravara Rural Engineering College, Loni Maharashtra   Aug 2016 – Sept 2021
Bachelor of engineering

CERTIFICATIONS

CODING BLOCKS | MERN STACK | Certification link   2022 – Apr 2023