




Sachinandan

 New Delhi ,India |  08882906623 |  sachinandan.priv05@gmail.com |

Profiles

 sachinandan yadav

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Education

Indian Institute of Information Technology 

Computer Science Engineering

Nov 2022 -Present

B.Tech

Skills

Programing Languages:
Python,C++,C,JavaScript,SQL

Web Development:
HTML5,CSS(Tailwind,BootStrap),JavaScript(TypeScript)

Devloper Tools:
VS code ,Postman , Git

Libraries/Frameworks
React.js ,Next.js, Redux Toolkit/Redux Query Node.js Github ,MongoDB ,AWS

Tech Stack :
MERN(MongoDB Express React.js Node.js), NEXT.js

Soft Skills:
Leadership , Communication Skills ,Problem Solving

Relavent Coursework

Courses:

• Data Structures • Computer Architecture • Algorithms Analysis • Database Management Systems • Object-Oriented Programming

Experience

CodeSoft


frontend web Devloper Intern

Oct. 2023 – Nov. 2023

remote

- Developed front-end components of a web application using JavaScript and React, **improving load times by 40%** and increasing user engagement by **25%**.
- Integrated cross-platform user data with Google Firebase, ensuring data consistency and improving user experience across web and mobile apps.
- Collaborated** with team using Git for version control to manage modifications and task assignments.

Projects

BuzzMail 

Saas email NewsLetter

- Developed** a comprehensive newsletter platform using Next.js for a seamless frontend experience and **AstraDB** for scalable data management, ensuring efficient performance and user engagement.
- Integrated **AWS SES** for efficient email automation, enabling scheduled and automated email sequences, and implemented secure user authentication with Clerk for robust access control.
- Designed an intuitive user dashboard with React and Tailwind CSS, enhancing user experience through a visually appealing and functional interface.

E-commerce Web App | MERN

- Developed a comprehensive e-commerce website using the **MERN stack**, featuring **robust architecture** and dynamic user interface.
- Implemented over **30 controllers** for product management, user interactions, and order processing, ensuring a seamless user experience.
- Integrated an **admin panel** for streamlined management of products, orders, users, and site content, providing extensive operational control.
- Implemented **authentication** and authorization mechanisms to secure user data and restrict access to sensitive application areas

DensityVista Web App | React.js (TypeScript)

- Developed a web application to visualize population density data using **React.js** with **TypeScript**, **GeoJSON**, and **OpenLayers** technology.
- Implemented interactive features to display density data on a map interface, leveraging GeoJSON datasets and OpenLayers for geographic visualization.
- Utilized **Chart.js** for graphical representation of population density trends, enhancing data visualization and user engagement.

Ntube | JavaScript, Node.js

- Designed and developed a **Node.js** backend for a video platform similar to YouTube, enabling video upload, like, comment, and share functionalities.
- Implemented **35+ APIs** for video management, user interactions, and social features, ensuring robust and responsive performance.
- Secured user data with **JWT-based authentication** and **authorization**, managing access to platform functionalities.
- Designed and implemented a refresh token mechanism to maintain user sessions and enhance security and user experience.
- Integrated** a Twitter-like section for user engagement through short updates and interactions among users.

Flight Booking System | C++

- Developed a Flight Booking System in **C++** using **object-oriented** principles, supporting flight selection based on user preferences and availability.
- Engineered for **modularity**, maintainability, and scalability to support large-scale operations and ensure robust performance.
- Integrated file handling for persistent storage of flight and booking data, ensuring data integrity and **accessibility**.

Achievements

Unstop

- Secured **25th rank** in the Unstop Contest organized in college over all branches .

codechef

- Achieved 3-star coder status on **CodeChef**, demonstrating proficiency in algorithmic problem-solving and coding challenges

IIIT Bhopal

- Secured under **150 rank** in CodeRush organized by the college.