

SACHINANDAN

New Delhi, India

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Education

Indian Institute of Information Technology

B.Tech in Computer Science Engineering

Nov. 2022 – Present

Bhopal, M.P.

Relevant Coursework

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

Experience

CodeSoft

Front End Developer Intern

Remote

Oct. 2023 – Nov. 2023

- 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

E-commerce Web App | MERN

[Link](#)

- 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)

[Live](#) — [GitHub](#)

- 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

[GitHub](#)

- Developed a Node.js backend for a video platform similar to YouTube, including 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 for maintaining user sessions and enhancing security and user experience.
- Added a Twitter-like section for user engagement through short updates and interactions among users.

Flight Booking System | C++

[GitHub](#)

- 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.

Technical Skills

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

Developer Tools: VS Code, Postman

Web Development: HTML, CSS (Tailwind and Bootstrap), JavaScript

Libraries/Frameworks: React.js, Next.js (Redux Toolkit), Node.js, GitHub, FastAPI, Express

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

Soft Skills: Leadership, Communication Skills

Achievements

Secured 25th rank in the Unstop Contest.

Achieved 2-star coder status on [CodeChef](#), demonstrating proficiency in algorithmic problem-solving and coding challenges.

Secured under 150 rank in CodeRush organized by the college.