Siddharth Sahu

+91 6371984608 GitHub Email LinkedIn LeetCode

Education

Siksha 'O' Anusandhan University (ITER) **Nov 2021 – Aug 2025**
Bachelor of Technology – Computer Science and Engineering, CGPA 8.18 *Bhubaneswar, Odisha*

Technical Skills

Languages: JavaScript, Java, Python
Frontend: React, Next.js, Tailwind CSS, HTML5, CSS
Backend: Node.js, Express.js, RESTful APIs, JWT
Databases: MongoDB, MySQL
DevOps/Tools: Git, GitHub, Vercel, Postman
Machine Learning: Scikit-learn, Pandas, Numpy, Data Wrangling

Experience / Internships

Block Stars Pvt Ltd **November 2024 – January 2025**
Full Stack Developer *Remote*

- Designed and implemented reusable UI components and responsive web pages, ensuring compatibility across devices and browsers, while maintaining a mobile-first design approach.
- Collaborated with back-end developers to build and integrate optimized **RESTful APIs**, streamlining data flow and improving application performance, ensuring scalability and maintainability.
- Enhanced application performance by reducing API response time, improving page load times, and implementing state management with **Redux**, ensuring smooth real-time updates and user interactions.
- Implemented best practices in front-end design and development to improve the application structure, reducing technical debt and ensuring long-term scalability.

Projects

GoCabs - Real-Time Cab Booking App | *React, Node.js, WebSockets, MongoDB, Google Maps API*

- Developed a full-stack real-time cab booking application using React, Node.js, Express.js, MongoDB, and WebSockets, providing a dynamic and responsive user experience.
- Integrated **WebSockets** for real-time communication between riders and drivers, providing instant updates on ride status, location, and availability.
- Implemented **Google Maps API** for live ride tracking, enabling users to view routes, locations, and manage ride interactions.
- Optimized **API** and **database queries** for fast, scalable data handling, improving app performance and reducing latency.
- Designed an intuitive user interface with **Material UI** and **Tailwind CSS**, ensuring responsive design across all devices and screen sizes.

Heart Disease Detector | *Python, Pandas, Numpy, Scikit-learn, Random Forest Classifier*

- Developed a machine learning model to predict the likelihood of heart disease using the Random Forest Classifier, achieving 84% accuracy.
- Utilized **Pandas** and **Numpy** for data cleaning, preprocessing, and feature extraction from a publicly available heart disease dataset.
- Implemented the **Random Forest Classifier** algorithm from **Scikit-learn** to train the model, tuning hyperparameters to improve performance.
- Evaluated the model's accuracy and precision, achieving an 84% accuracy rate, demonstrating strong predictive capabilities for health diagnostics.