

Siddhant Singh

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WORK EXPERIENCE

Software Engineer

July 2022 - Present

- Currently working on a driving safety web application aimed at enhancing road safety by monitoring driver fitness and alertness before driving.
- Implemented a questionnaire feature to assess driver readiness and awareness before initiating a journey.
- Integrated vitals monitoring functionality to evaluate the driver's physical condition using camera and soxai ring.
- Utilized Firebase for real-time notifications to alert drivers of potential risks or updates regarding road conditions.
- Implemented Nodemailer for automated email notifications and Multer middleware in Node.js for handling file uploads.

PROJECTS

OX Virtual Care

[click for demo](#)

- Developed OX Virtual Care, a post-treatment follow-up platform enabling users to schedule appointments and receive consultations after discharge..
- Integrated HL7 simulator for seamless integration with healthcare systems, ensuring interoperability and adherence to industry standards.
- Designed and implemented RESTful APIs to facilitate communication between the frontend and back-end components of the application.

EKG

[click for demo](#)

- Developed a healthcare project integrating Kardia devices to retrieve patient data for monitoring and analysis.
- Implemented Apple Watch integration to collect user health data, enhancing the platform's monitoring capabilities.
- Designed and executed CRUD operations to manage patient records and treatment data efficiently.
- Created RESTful APIs to enable seamless communication between various system components, ensuring data exchange reliability and security.

EDUCATION

2018 - 2022 Bachelor of Technology in Computer Science and Engineering at **Babu Banarasi Das University** (8.99 CGPA)

SKILLS

Web Technology:

Language	JavaScript, TypeScript.
Frontend	HTML5, CSS3, Bootstrap5, ReactJs, AngularJs, Material UI, JSON, JQuery .
Backend	NodeJs, ExpressJs, Microservice, REST API.
Database	MongoDB, NoSQL
Tools	Postman (API testing), Swagger (API documentation), Jira (Issue tracking), Trello, Nodemailer (Email automation), Multer (File upload handling)

DevOps Skills:

Docker	Experience with containerization, Dockerfile creation, and Docker Compose for container orchestration.
Jenkins	Proficient in continuous integration and continuous deployment (CI/CD) pipelines setup and maintenance.