

Siddhant Rao

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EDUCATION

Sardar Patel Institute of Technology

Bachelors of Technology in Computer Science and Engineering

Dec 2021 - May 2025

GPA: 7.5

Vidya Vikasini Junior College

HSC in PCM with Bifocal in Computer Science

Jun 2019 - Aug 2021

86.5%

EXPERIENCE

The Little Dentist

Mobile Application Developer, Internship

Oct 2023 - present

Gurugram, India

- Building a **cross platform** mobile app using **React Native** and **TypeScript** to view nearest clinic based on **user location**, book/cancel appointments and view medical records
- Enabled **otp auto-fetch**, **deep linking** and **remote notifications** using **Firebase**. **Generate and download pdf** of invoices and medical records

Alpha Electronic Controls

Full Stack Developer, Internship

Aug 2023 - Oct 2023

Vasai, India

- Developed a comprehensive automated attendance system comprising mobile applications for both administrators and employees. Implemented **geofencing**, **live location tracking**, and **notifications** to enhance attendance management
- Leveraged **React Native** for frontend and **PHP** with **MySQL** for backend infrastructure. Used **Jest** for testing

PROJECTS

Rail Rakshak [Role: Backend]

Codeissane'23

Oct 2023

repo: [storm>Loading](#)

- Developed an application which monitors the cctv footage of railway station in **real time** and shows alerts on the admin's dashboard in case any event is detected
- The events involve **fighting**, **fire**, **crowding** and **littering**, each of which is detected by separate models
- Used **multi threading** and **distributed computing** to run all 4 models parallely in 4 different computers.

Safe Stride [Role: Frontend and Backend]

4th Sem Mini Project

Feb 2023 - Apr 2023

repo: [SafeStride](#)

- Made an **cross-platform Women's Safety** mobile app using **React Native** to predict the safety score of multiple routes from one location to other using **SVM** with **RBF kernel**
- Its features are **safest route**, **nearest safe spot** and **SOS** implemented using **twilio API**
- Used **Google Maps APIs** to fetch the required data and **Expressjs** + **Nodejs** for backend with **Firebase**

Fleet Telematics [Role: Entire Frontend and Backend]

Techfest'22

Oct 2022 - Dec 2022

repo: [FleetTelematics](#)

- Built an web app to predict the risk score of drivers, vehicles and routes using **regression based machine learning model** to achieve an accuracy of **83%**
- The backend appends the user input to the dataset, thus increasing the accuracy over time
- For the frontend, **Reactjs** and **tailwindcss** and for the backend **Expressjs** and **Nodejs** was used

ACHIEVEMENTS

Codeissane'23

Placed **1st** in this offline hackathon, held at **TSEC**

2023

Rubix'23

Made it to the **Top 10** in this 48 hour national level hackathon held at **TSEC**

2023

Techfest'22

1st Runner up in an competition in **IIT Bombay's** Annual Technical Fest

2022

Codechef

Reached **3*** on codechef (**highest rating- 1629**). Profile: [siddhant_rao](#)

TECHNICAL SKILLS

Programming languages: Python, Javascript, Typescript, Java, C++, C, Embedded C, SQL

Frontend: HTML, CSS, React, Next.js, React Native, Redux Toolkit, TailwindCSS, Ajax, Jest

Backend: Flask, Node.js, Express.js, Socket.IO, Redis, MySQL, MongoDB, Firebase

ML/AI: Numpy, Pandas, Matplotlib, Seaborn, Scikit Learn

Miscellaneous: Git, Github, Gitlab, Linux, Figma, Esp32/8266

OPEN SOURCE

Contributed to **TypeScript's** documentation on github, now actively working towards making code related contribution.

POSITIONS OF RESPONSIBILITY

Technical Head, IEEE SPIT

Organized various technical and non-technical events and managed a team of 2. Built the committee's website from scratch using **Reactjs**, **Three.js** and **TailwindCSS** - [link](#)

Sep 2022 - Present

Technical Head, Google DSC SPIT

Conducted technical events and worked on developing a learning platform for the college

Aug 2023 - Present