

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 nearby clinics and book appointments
- Enabled otp auto-fetch and verification for user authentication

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. Gained proficiency in cross-platform mobile app development and backend/database integration. Used Jest for testing

PROJECTS

Rail Rakshak [Role: Backend]

Oct 2023

Codeissnace'23

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 parallelly in 4 different computers.

Geeky Type ([link](#)) [Role: Frontend and Majorly Backend]

Jul 2023

Tally Code Brewers Hackathon

repo: [geeky_type](#)

- Developed a **responsive** typeracer web app with adjustable **difficulty level** and **time duration**
- Its features are **solo** play, **multiplayer** play where players are matched on the basis of difficulty level with **realtime progress sharing** using **Socket.io**, **leaderboard** and **progress graph** for signed in users
- Used **Next.js** and **TailwindCSS** for client side and **Expressjs** for server side with **Mongodb**

Safe Stride [Role: Frontend and Backend]

Feb 2023 - Apr 2023

4th Sem Mini Project

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]

Oct 2022 - Dec 2022

Techfest'22

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

Codeissnace'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, Kotlin, 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, Scikit Learn

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

OPEN SOURCE

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

POSITIONS OF RESPONSIBILITY

Technical Head, IEEE SPIT

Sep 2022 - Present

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](#)

Technical Head, Google DSC SPIT

Aug 2023 - Present