

VIVEK PATEL

Computer Engineering Undergraduate Student



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EDUCATIONAL HISTORY

**PANDIT DEENDAYAL ENERGY
UNIVERSITY, Gandhinagar**

B.Tech. in Computer Engineering | 2018 - 2022

- CPI : 9.07

**SHREE DURGA HIGHER SECONDARY
SCHOOL, Ahmedabad**

Higher Secondary School | 2016 - 2018

- Percentile Rank: 94.1%

SKILLS SUMMARY

Expertise Area

Front end Development, JavaScript

Programming Languages

Javascript(ES6+), C/C++, Java, Dart

Web Development

React.js, CSS3, Node.js, SASS, SQL,
Express.js, REST Api

Databases

MySQL, FireStore DB

Frameworks & Libraries

JQuery, Redux, Flutter, Webpack

Tools & Technologies

Git, GitHub, npm, Firebase

Operating Systems

Linux, Windows

Non-Technical Skills

Problem Solving, Leadership,
Critical Thinking, Team Work

SOFTWARE PROJECTS

Meditech Healthcare WebApp [link](#) ([github](#))

Course Project | Nov 2020

- Developed Web Application to predict and diagnose diseases from x-ray images using TensorFlow & Firebase.
- Designed & Implemented the front-end part of the website with responsiveness & cross-browser support.
- Integrated the application with the FireStore database & cloud functions for faster querying, offline syncing.
- **Utilized:** HTML, materialized scss, chart.js, Cloud functions, FireStore DB, JQuery, Firebase Authentications

CPU Scheduling Algorithm Visualiser APP [link](#) ([github](#))

Course Project | Oct 2020

- Developed a react-native mobile application & a web app to visualize different CPU Scheduling algorithms.
- Added 8 primitive/non-preemptive algorithm's visualization with dynamic inputs with react-native async storage.
- Designed & Integrated Gannt Chart with animations of the process in CPU memory & Ready Queue hosted on google cloud storage.
- **Utilized:** Javascript, React Native, expo-cli, npm, webpack, firebase

Practice Problem Recommendation System [link](#) ([github](#))

Personal Project | Sep 2020

- Developed a Web Application that suggests practice problems for CodeForces based on real-time user data with CodeForces API.
- Integrated with Django framework and deploying web app on a pythonanywhere server for faster performance.
- Achieved **6000+ active users** in the first month after deployment.
- **Utilized:** Django, python, Codeforces API, bootstrap, HTML, javascript

Cleanliness Automation using Python

SSIP Hackathon Project | Dec 2019

- Developed Web Applications to automate Garbage collection and extraction systems.
- Implemented an automated garbage pickup route system using geocoding in python.
- Collected and trained 800+ images dataset of various garbage types with **93% accuracy** & integrated model with front-end.
- **Utilized:** Python(Backend), HTML, Javascript, CSS, Ajax

ACHIEVEMENTS & ACTIVITIES

- web developer at Sports PDEU.
- co-founder & web developer at [thewebmate.in](#) Feb-2021.
- selected for Grand-finales round of SSIP Hackathon Jan-2021.
- ranked top 60 teams out of 1800 total teams in E-Yantra IIT Bombay hackathon Apr-2020.
- executive committee member of CodeChef student chapter, PDEU.
- student intern at Arya public charitable trust for Civic & Social service internship.