

# Nikhil S Dave

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## EDUCATION

### PARUL UNIVERSITY

#### DIPLOMA IN COMPUTER SCIENCE

Apr 2020-23 | Vadodara, IN

6th Semester

Cum. GPA: 7 / 10.0

Major GPA: 7.83 / 10.0

### GPS SCHOOL

Apr 2019 | Vadodara, IN

## COURSEWORK

### COMPUTER ENGINEERING

Data Mining

DBMS, OS, ACN

Data Structures & Algorithms

Functional Programming

Object Oriented Programming

IoT, Embedded

## SKILLS

### PROGRAMMING

Languages:

- Advanced:- c++, Python
- Intermediate:- c, JavaScript, PHP, mern stack
- Novice:- C#, GO

Tools:

- Git • Linux • Windows • Spring Tool Suits

Framework & Library:

- QT • Django • Flask • FastAPI
- TensorFlow, Boost, OpenCV, PyTorch, Next.js

Technologies:

- Embedded:- raspberry pi, Arduino, Pic, Atmel, Arm Controller
- WI:- Industrial Automation, IOT
- Other:- HTML, Bootstrap, SQL, SEO
- S-Tech:- Android, Kotlin

Other Skills:

- Adobe Photoshop, premiere Pro
- Content Writing
- Filezilla, Cpanel operations and cloud file management

## EXPERIENCE

### SANTOSH ENGINEERING PVT LTD | SE INTERN

June 2020 – Sep 2021 | Vadodara, IN

- To research, build, test, and document IoT solutions with IE and firmware development.
- Looking Out for Keyword reach and Leads, And managing the backend of website.

## RESEARCH & PROJECTS

### SMART GLOVES FOR CONTAGIOUS DISEASE | GESTURES BASED TECHNOLOGY

Samister Project | Parul University

Worked with my fellow Vaishnavi and Prof Jigisha Patel to create an affordable, easy to use and non-complex solution for eliminating the communication gap between the hospital and patient suffering with contagious disease. Project involves the knowledge for hardwares, IoT and embedded system

### SET OF SOLUTION FOR FARMERS CROP SUGGESTION | AND FERTILIZER SUGGESTION WITH ON APP MARKET SELLING OPTION

Tech Expo and Vadodara Hackathon 2.0 project | 1st price Wining

Worked with my fellow Vaishnavi and Prof Jigisha Patel to create an solution for farmers by suggesting the crops they should grow on theirlands according to the sensor data and detecting the dieses of plants, and suggesting the preferable fertilizers, with giving on app market to sell the items to eliminate the brokerin between. Technologies we are using is Machine Learning, AI vision,raspberry pi, Sensor Engineering, IoT

### AI BASED HIGHLY ADVANCED QUE MANAGEMENT SYSTEM | PRIORITY BASED LINE NUMBER, ON APP DOUCMENT UPLOAD, PRE-BOOKING AND MORE SUCH FEATURES

SSIP | approved and selected for grant

Definitely no one likes to stand in lines and after covid period it looks very unhygienic too, so our ecosystem can make the process easy and quick, by pre appointment and on time appointment feature so no need to form long lines near windows and offices. Its very difficult for the senior citizens, disabled an pregnant women's for managing to stand on long queues so priority feature for them is our unique quality. Guiding to the right window or queue via selecting his intend to come

### SMART READER FOR BLIND | RASPBERRY PI

Jan 2020 | Personal Project

reads the paperfor blind peoples using AI vision to help them connect easily

## PUBLICATIONS

[1] V. T. Nikhil Dave. mart farming ecosystem forfarmer. *IJraset*, in press 2022.