# Nikhil V

⚲ Coimbatore, India    ✉ nikhil200029@gmail.com    ☎ 6381128096    🗓 29/10/2000

## EDUCATION

### B.E(Electrical and Electronics Engineering)
*PSG Institute of Technology and Applied Research*
2018 – 2022 | Coimbatore, India
Currently having **8.48** CGPA(upto 6th semester)

### 12th std
*PSG Public Schools*
2018 | Coimbatore, India
Completed with **92.6%** marks

### 10th std
*PSG Public Schools*
2016 | Coimbatore, India
Completed with **9.6** CGPA

## PROJECTS

### Speech Emotion Recognition
A model has been developed using ML algorithms to classify speech signals to detect the emotions embedded in them.

### Rider-Driven Cancellation Prediction
Given the order and rider details, we created a model that can predict rider-driven cancellation in advance using Python and related machine learning libraries.

### FPGA Implementation of Neural Network based Controller for DC-DC Buck Converter
The stability of the output from the power electronic device is highly improved using Neural Network based controller. This controller is highly efficient, adaptable, and easy to design.

### Design and Fabrication of Electric ATV
*Member of Electrical Team*
Design of electric car powered by Lithium ion battery which runs on BLDC motor. The system also has protection and converter circuits.

### PLC Based Automated Washing Machine
This was developed to automate the regular washing machine by implementing control over operations such as soaking, washing, rinsing considering the weight of the clothes.

### Fitness Tracker
*using Arduino nano, Bluetooth module(hc05), Accelerometer (adxl345) and Pulse sensor*
This project involves counting the number of steps, Heart rate, Distance covered, Calories burnt and displays the respective details to the user through an android app.

## SKILLS

### Programming languages
*Java, Python, C*

### Web Technologies
*HTML5, CSS3, Javascript, nodejs, expressjs, mongoDB*

### IDE used
*Jupyter Notebook, Spyder, Sublime, Eclipse, VS Code*

## COURSES

### The Complete 2022 Web Development Bootcamp
*Udemy*

### DeepLearning.AI TensorFlow Developer Professional Certificate
*Coursera*

### Android App Development using Android Studio
*IIT Madras, Chennai*

### Sensors
*VIT, Vellore*

### PLC
*PSG Itech*

## EXTRACURRICULAR ACTIVITIES

### Active member of Tarangini Club
*PSG Itech*

### Coordinated workshop on IoT with Machine Learning
*Yuktaha 2021, PSG Itech*

### Member of Velocita Racing
*PSG Itech*

## HOBBIES

### Video Editing

### Filmaholic

### Content Creation
*Youtube*