

## NEHAL CHOPADE

B.E- Electronics and Telecommunication  
Dr DY Patil Institute Of Technology ,Pune

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### BRIEF OVERVIEW

Ambitious and hardworking individual. Looking for a challenging role in a reputable organization to utilize my interpersonal skills and help benefit the company.

### SKILLS EXPERTISE

**Technical Skills :** Digital Circuits, Automobile, Basic Electronics, Computer Networking, Analog, Project Management, Computer hardware, SQL, Python, Django

### PROJECT

#### 1. Vehicle Control System Using CAN Protocol (Sponsored By: Sunshine Powertronics Pvt.Ltd)

**Mentor:** Prof. Shahaji Jagdale      **Team Size:** 3

**Key Skills:** ATmega, CAN Module, Arduino Nano, Arduino IDE

In this project we studied latest technology about CAN Protocol basically works for communication in Automobile Industries. Here we implemented CAN Transmitter(Tx) and CAN Receiver(Rx) part which is called Master and Slave for CAN Module. We used MCP2515 CAN Module. Through Transmitter different sensors can communicate and receiver read the output. It has application in missile industries, hospitals, automobile industries etc.

### INTERNSHIP

#### Kirloskar Chillers

**Key Skills:** Proteus, Tinkercad, Arduino UNO

In this Internship we worked on Stepper Motor. Here we build up the code for controlling the steps of stepper motor as per user requirement mostly this applicable in IGV plates of AC Compressor for opening and closing of IGV plates. We worked to rotate the stepper motor according to the given input desired percentage. Stepper motor is basic which is used in CNC machines, Printers, AC Compressors. Worked on how to control one full rotation into number of equal steps with the help of stepper motor. Here we studied deep application of L293D Motor Driver IC having 14 pin IC. H-Bridge which is an arrangement of transistors that Allow you to control the direction and speed of stepper motor.

### CERTIFICATIONS

- (a) Internship Certificate
  - Kirloskar Chillers
- (b) Sponsored Project Certificate
  - Sunshine Powertronics Pvt.Ltd
- (c) Python For web Development Certificate
  - IBM
- (d) HTML, CSS
  - I.T.Vedant Education Pvt.Ltd.

### ACADEMIC DETAILS

Qualification	University/Board Institute		Year	CGPA/Aggregate%
Graduate Specialization	SPPU	Dr DY Patil Institute Of Tech,Pune	2023	79%
Intermediate: HSC	State Board	MJ Collage, Jalgaon	2019	69.09%
High school: SSC	State Board	Nandinibai Mulinche Vidyalaya, Jalgaon	2017	91.60%

