

# Sabarish Chandrasekaran

## Mechanical Engineer

Innovative Mechanical Engineer offering passion for leading product design projects. Excellent communicator with ability to explain complex design ideas and concepts effectively. Quick-learning and resourceful with proficiency in 3D CAD and Ansys Workbench.

✉ [sabarish27k6@gmail.com](mailto:sabarish27k6@gmail.com)

☎ 9972717643

📍 Coimbatore, Tamil

🌐 [linkedin.com/in/sabarish-chandrasekaran-7b40bb171](https://www.linkedin.com/in/sabarish-chandrasekaran-7b40bb171)

## WORK EXPERIENCE

### CAD Trainer CADD Centre

01/2020 – 10/2020

Chennai, Tamil Nadu

- Collaborated with design and engineering staffs to solve 3D CAD related issues.
- Instituted mentoring program for under-graduate students, increasing student development and enthusiasm for learning.
- Increased educational expertise and knowledge of EV Technology and Battery Management System by participating in instructor-oriented workshops.

### Machinist (Vocational Training)

#### Nandishree Sheetmetal Technologies Pvt Ltd

01/2019 – 03/2019

Bangalore, Karnataka

- Manually set up machinery and equipment, including punch, die and grinders.
- Lubricated parts and performed minor and preventative maintenance to improve machine function and increase lifespan and performance.
- Ensured proper use of materials and equipment to cut overall spending cost.

## PROJECTS EXPERIENCE

### Design & Fabrication of Automated Ration Vending Machine (08/2018 – 06/2019)

- To provide security to the ration card holder with the help of fingerprint recognition and Arduino based automated ration vending machine was made at the end of the project. Gained knowledge about the slider crank mechanism, pressure gauge and flow control valve to provide variety of commodity to customers.
- Software used- Arduino IDE, CATIA & SolidWORKS.

### Design & Fabrication of Automatic Vacuum Cleaner (04/2018 – 06/2018)

- This robot is simple four wheeled Vacuum Cleaner which could smartly avoid obstacles and vacuum the floor at the same time. Gained knowledge about embedded system, IR sensor and suction fan positioning for better performance.
- Software used- Arduino IDE & SolidWORKS.

### Fabrication of Voice Based Android Controlled Robot (05/2017 – 06/2017)

- The communication between the robot and the android application is carried over by the Bluetooth link between the phone's Bluetooth and the Bluetooth device in the Robot. Gained knowledge about HC-05 Bluetooth module and front & backhand android software development.
- Software used- Arduino IDE & MIT app inventor.

## SKILLS

AutoCAD 2D

CATIA

SolidWORKS

PTC Creo

Solid Edge

Ansys Workbench

MathWork MATLAB

SeeNC Mill&Drill

C, C++ & Python

## CERTIFICATES

Diploma in Mechanical Design - Issuer: CADD Centre (Credential ID: ES191025022)

Python Bootcamp - Issuer: Udemy (Credential ID: UC-EMOBCPFB)

## ACTIVITIES & ACHIEVEMENTS

Participated in National Level Workshop on "Live Surgery of IC Engine" by NLWLI-2018

Won "Best Project Award for Social Relevance" in Project Exhibition by INTUIT- 2019

## EDUCATION

B.E Mechanical - Cambridge Institute of Technology, Bangalore - CGPA: 7.2 (08/2015 – 07/2019)

12th - Kendriya Vidyalaya No.1 AFS Samba, Belgaum - Percentage: 73 (03/2015)

10th - Kendriya Vidyalaya No.1 AFS Samba, Belgaum - CGPA: 8.0 (03/2013)

## PERSONAL DETAILS

Citizenship: Indian

Languages: English, Hindi, Tamil

Interest: Playing Chess, Badminton, Cricket. Competitive PC Games

