

# Yasaswi Utham Venkata Atreya Katnam

A Problem and Solution-oriented engineer. Enthusiastic towards Robotics and its applications. Well determined towards completion of the projects with efficiency.

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## EDUCATION

### Bachelor of Engineering - Mechanical Engineering

Sathyabama University, Chennai

2018 - 2022

8.7GPA till 7th sem

### Intermediate

Sasi Junior College

2016 - 2018

96.2%

### SSC

Roots School of Essential Faculties

2015 - 2016

9.3GPA

## WORK EXPERIENCE

### Robotics Intern

Verzeo

05/2021 - 07/2021

Description:

- In this Internship, I have worked with Arduino MCU. Dealt with ROS and openCV

### Industry Intern

Visakhapatnam Steel Plant

12/2019 - 12/2019

Description:

- In my internship period, I got to know about the Engineering shops and the Foundry department (ES&F) of the steel plant. This department has some sub-departments which includes Central machine shop, Steel structural shop, Foundry, Forge shop, Utility equipment repair shop. In this department, I got familiar with the machinery, processes that take place and job works.

### Designing and Fabrication Intern

Elite Techno groups

03/2019 - 03/2019

Description:

- In this training, I have learned to design the frame and fabricate it by bending, welding the rods. I learned about steering, balancing, braking, suspension, transmission and engine mechanisms of the formula 5 race car.

### Data Science and AI SOCC Training

Cognibot

05/2021 - 11/2021

Description:

- I have learnt a lot of ML models, DL models and their applications through real-world projects(problem-solving) under the guidance of my team guides at Cognibot.

## SKILLS

C++ Programming

Python

ROS

Linux

SQL

Data Science

ML

DL

NLP

OpenCV

AutoCAD

Design

CAD

CAM

Fusion360

Robotics

## PROJECT

### Steering Angle Prediction for Self Driving Cars

- Self driving cars are a recent application of Deep learning algorithms. I've developed a model to predict the steering angle based on the data containing images from a dashboard camera of a car driving through San Francisco, USA.

### Quadruped Surveillance Robot

- I have made a four-legged robot that can be used for surveillance in irregular terrain. It can avoid objects and can be controlled using mobile Bluetooth and streams live video using WiFi. It can also detect metal which can be used as a landmine detector in war fields.

## CERIFICATION

### AutoCAD Certification

By Internshala Trainings

### Data Science and AI Certification

By Sathyabama University and Cognibot

## LANGUAGES

English

Full Professional Proficiency

Telugu

Native or Bilingual Proficiency

Hindi

Professional Working Proficiency

Tamil

Limited Working Proficiency

## INTERESTS

Data Science

Robotics

Production