

Om Anant Kulkarni (Om)

Mechanical Engineering Student

I am a committed reliable and self-motivated engineer having strong ability to plan and execute projects with a positive attitude to challenges and opportunities.



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EDUCATION

B.E Mechanical Engineering

Pimpri Chinchwad College of Engineering (PCCOE)
(aff.Pune University),Pune

2019 - 2023

*last Sem CGPA: 9.54 ; CGPA TILL Now: 8.68
12 th marks : 74% 10th marks : 88%*

Minor

- Systems Engineering

PERSONAL PROJECTS

AWR-Autonomous Weeding Robot (06/2022 - Present)

- AWR will be a self controlled weeding robot which will be used for identifying and removing the harmful weeds grown in the farms without harming the ecosystem by using various technologies like RTK (Real Time Kinematics) based GPS system, Robot Operating System (ROS), image processing and many more. [🔗](#)

Basic iot projects (07/2020 - 12/2021)

- Done basic IOT projects related to daily life industrial and general problems which I have uploaded on my youtube channel [🔗](#)

Autonomous Pick and Place robot using various Softwares (12/2021 - 06/2022)

- In this project I tried to develop an autonomous pick and place customized robot using Robot Operating Software or ROS, Matlab& Simulink. [🔗](#)

ML based holiday trip planner (01/2022 - 01/2022)

- In this project I have used the datasets available on the internet especially on sites like "www.kaggle.com" to predict the best route and price of transportation and also predicted the best hotels at that particular location. [🔗](#)

Autonomous navigation of swerve drive by using Robot Operating System (ROS) (11/2021 - 02/2022)

- It is a team project on which we are trying to develop an autonomous 4 wheeled swerve drive which can navigate autonomously in various environment without anykind of human support. [🔗](#)

WORK EXPERIENCE

Robot Operating System(ROS) Engineer Team Automatons

07/2021 - 10/2022

Pimpri Chinchwad

It is a Robotics team of PCCOE which develops various robots to compete in international Competitions like ABU Robocon

Achievements/Tasks

- AIR 3 -Robocon 2022, AIR 4 -Robocon 2021
- Here I develop various ROS packages and deploy it on our drives to make them autonomous. [🔗](#)

Machine Learning Intern YBI Foundation

11/2021 - 01/2022

Delhi

Achievements/Tasks

- It was an 2 month machine learning internship where I learned machine learning in depth and also develop a project of ML based Travel Planner.
- Certificate link: [🔗](#)

SKILLS

Solidworks

Robot Operating System (ROS)

CAD

CAE

Autodesk Fusion 360

Ansys

CAMEO Software

Mech Engg

MATLAB

Python

C++

Robotics

ACHIEVEMENTS

DD Robocon 2022 : AIR 3 (02/2022 - 07/2022) [🔗](#)

It is a National Level robotics contest conducted by Doordarshan and IIT DELHI in which we had to design our robots according to the given theme (For 2022: Lagori) . And that robots coming from all over india will then compete with each other.

Autodesk Industry Design Challenge Finalist (01/2022 - 01/2022) [🔗](#)

Autodesk IDP was the competition conducted by Shastra,IIT Madras in Association with Autodesk in which we had to find the best way of integrating Polar Satellite Launch Vehicle(PSLV) and Agnikool's Agniban rocket for better performance of both.

CERTIFICATES

CSWA-Mechanical Design by Dassault Systèmes [🔗](#)

Solidworks Associate Additive Manufacturing by Dassault Systèmes [🔗](#)

Google Cloud Certifications [🔗](#)

ROS (Noetic,Melodic,Kinetic) by Udemy

Image Processing with MATLAB - MathWorks

Drive Link of all certifications and documents
[Click Here](#)

LANGUAGES

English

Professional Working Proficiency

Marathi

Full Professional Proficiency

Hindi

Full Professional Proficiency

INTERESTS

Robotics

Aerospace Engg

Astronomy

Mechanical Engg

Chess

Cricket