

# ANUPAMA M

## MECHANICAL ENGINEER

 8610707355

 anupamamuthukumar@gmail.com

## SUMMARY

An optimistic and inquisitive individual with high interest in automobile and product design. Experienced in evolving product designs for maximum impact.

## LINKEDIN

<https://www.linkedin.com/in/anupama-muthukumar-5ab869215/>

## EXPERTIES

- Public Speaking
- Teamwork
- Team Leadership
- Adaptable
- Innovative

## SKILLS

- Fusion 360
- Solidworks
- Autocad
- Ansys
- Python

## EDUCATION

- **BACHELORS IN MECHANICAL ENGINEERING | 2021-25**  
CGPA : 8.1/10

COLLEGE OF ENGINEERING, GUINDY

Chennai, Tamil Nadu

**COURSEWORK:** Theory of Machines, Computer Aided Design & Manufacturing, Mechanics of Materials



## ROLES

- **SENIOR DRIVETRAIN MEMBER | CEG MOTORSPORTS | 2023-24**

*Worked in design and CAE analysis of chain drive and different subsystems of drivetrain. And contributed in make or buy decisions of drivetrain components, prototyping, assembly and DAQ phase.*

- **SECRETARY | TOWERING SPEAKERS TOASTMASTERS CLUB | 2023-24**

## ACADEMIC PROJECTS

- **DESIGN & DEVELOPMENT OF SMART RESTAURANT TABLE UNDER HOTEL AUTOMATION USING FUSION360** AUG 2022 - NOV 2022

*Incorporated a rack-and-pinion mechanism for the linear movement of the tablet. Established smart positioning of the tablet according to customer availability using proximity sensors. Improvised the ergonomic and aesthetic aspects of the table with an expander, a rotator, and a see-through slit.*

- **3 AXIS PNEUMATIC ACTUATED PICK AND PLACE ROBOTIC ARM** MAR 2023 - MAY 2023

*Actuated the robotic arm with linear pneumatic cylinders controlled by 5/2-way single solenoid-operated spring-returned Directional Control Valve (DCV) and a normally closed valve. Optimised the range of motion using the dynamic manipulation of a string mounted over a pulley. Designed the control system using an Arduino Uno microcontroller.*

## CERTIFICATIONS

- **DETAILED INTRODUCTION TO ANSYS WORKBENCH**
- **FUSION 360 BEGINNERS COURSE**
- **THE COMPLETE AUTOCAD GUIDE**