MANJUNATH SAKTHIVEL

PROFILE

To solve daily problems and ease life, I seek to work on automating activities using my knowledge in machines, electronics and coding to create a valuable product.

EDUCATION

- **B.Tech. Mechanical Engineering**   CGPA – 8.30 / 10
  2019 – 2023

Amrita School of Engineering,
Amrita Vishwa Vidyapeetham, Bengaluru

- **Class 12** – 77.6%   **2019**

Institution: Kensri School

- **Class 10** – 86%   **2017**

Institution: Kensri School

TECHNICAL INTERESTS

- Robotics and Automation
- Automotive Engineering
- AI and ML
- Sustainable Technology
- Data Science
- Designing and simulations

PROJECTS

- **Design and Development of Robotic Arm to Mimic Human Operator**

Duration/Period: 09/2022 - Present

Objective: Working on making a prototype using Leap Motion to track and operate a 6 axis robot arm.

- **SAE - BAJA ATV (All Terrain Vechicle)**

Objective: As a team of 25, we designed an ATV following the guidelines set by BAJA. We designed the ATV using SolidWorks and analyzed it with the help of ANSYS and LOTUS software.

- **Line Follower bot**

Objective: Made a line follower robot based on Arduino. The bot can follow black lines, push objects and can also be controlled by connecting it to a phone.

TECHNICAL SKILLS

- C
- C++
- Python
- Matlab
- SolidWorks
- Autodesk Inventor
- Ansys with CFD

LANGUAGES

- English   – Full Professional proficiency
- Telugu   – Native proficiency
- Hindi   -- Limited Working proficiency