



JAYA AMIRDESH S

B.E Mechatronics Engineering



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jaya-amirdesh



Bhavani, Erode

SKILLS



Solidworks



Auto CAD



Ansys - (Mechanical APDL)



FANUC Robo Guide



Embedded C Programming

AREAS OF INTREST

- Robotics
- CAD Modeling
- CNC
- Microcontroller

EDUCATION

BACHELOR OF ENGINEERING

Mechatronics - 7.77 CGPA

KONGU ENGINEERING COLLEGE

PERUNDURAI, ERODE

2022 - 2025

DIPLOMA IN MECHATRONICS

KONGU POLYTECHNIC COLLEGE

PERUNDURAI, ERODE

Percentage - 89

2019-2022

SECONDARY SCHOOL

ERODE HINDU KALVI NILAYAM

ERODE

Percentage - 81

2018-2019



PROFILE

Driven Mechatronics Engineering student adept in CAD modeling, embedded programming, and robotics. Seeking to apply expertise in designing innovative mechatronic systems for industry advancement.



PROJECT's COMPLETED

AUTOMATIC PANEL SURFACE COATING MACHINE

This Project reducing environmental impact in coating process and enhancing efficiency through 2-axis automation and IR sensor technology.

APR - 2024

E - BIKE

Retrofitted an electric bike for the SIEP-E Bike Challenge 24 organized by ISIE India and SIEP

NOV - 2023

Signal Indicators for Vehicles in hair pin bends

This system employs IR sensors and a micro controller to detect vehicles on hairpin bends, activating warning LEDs uphill to prevent accidents.

JAN - 2022



PAPER PRESENTED

- Paper on **Signal Indicator for Vehicles in hair bends** in KEC - Feb 2023
- Paper on **Automatic plane surface coating machine** in GCT Coimbatore - Nov 2022

COURSES

- Completed Deep Learning (A 12 - week NPTEL course by IIT
- Kharagpur)
- Courses on Design of Printed Circuit Boards and IoT Application Development and Device Control.

WORKSHOPS ATTENDED

- Electronic For Us Workshop in Kongu Engineering College Erode.
- Trackers Workshop in Kongu Engineering College Erode.
- Serial Manipulator in Kongu Engineering College Erode.