



# DANIEL S

Mechatronics Engineer

## Profile

I am committed to achieving state-of-the-art advancements in engineering by developing versatile robotics and automation systems. My focus and dedication to projects ensure professional and aesthetically pleasing completions, which is reflected in both prototyping and bringing products to market.

## Education

**B.E Mechatronics, BANNARI AMMANINSTITUTE OF TECHNOLOGY, Erode**

NOVEMBER 2022 – PRESENT  
CGPA – 7.0

**12th, SAI VIDHIYA NIKETHAN MATRIC HR SEC SCHOOL, Coimbatore**

JUNE 2021 – MARCH 2022  
HSC - 79.5% Basic Mechanical Engineering

**10th, SAI VIDHIYA NIKETHAN MATRIC HR SEC SCHOOL, Coimbatore**

JUNE 2019 – MARCH 2020  
SSLC - 65%

## Projects

- Phantom The Autonomous Mobile Robot - ROS and SLAM.
- UNDB- Universal Nano Driver board - Flexible with Micro controller and other actuators.
- ESP32-X2-FNG - Integrated Micro controller IC with PWM driver IC
- Aero-kite - Entry level weather and surrounding data analyses and transferring
- trainer kit for education purpose.
- LM-X2 - Dual combination Bot function with changeable controller mode
- Elexis - the first in segment Folding and portable Micro controller based trainer kit

## Details

Plot no85 Akshatha Garden,  
Onnipalayam Road, Karamadai  
Coimbatore – 641104

## Contact

+91 8870970175  
danielvishwa543@gmail.com

## Link

[Portfolio](#)

[LinkedIn](#)

[GitHub](#)

## Abilities

Fast Learner  
Adaptability  
Leadership

## Languages

Tamil  
English

## Hobbies

Cooking  
Traveling  
Swimming  
Driving  
Photography

# Skills

## Programming and Development

- ROS (Robotics Operating System)
- C
- Python
- Typescripts + Tailwind CSS
- HTML/CSS
- Linux
- PLC TIA

## Software and Tools

- Fusion360
- Altium Designer
- AutoCAD
- Ciro's Studio 7.0
- Arduino IDE
- STM32 cubMAX
- Robo studio
- Gazebo/RVIZ

## Certificated Courses

- Basics of Python, Coursera
- Basics of HTML, Bharathi University

## Achievements

- 1st Place - Innovation Oasis'23 - IIIT-Nagpur.
- 2nd runner up - Elan N Vision'23 - IIT-Hyderabad.
- 3rd Place - ROBORG'23 - Sri Krishna College of Engineering and Technology-Coimbatore.
- Best Paper Award- ICIIA'23 - Velammal Institute of Technology - Chennai.
- 2nd Place - Tech and Innovation Fair TIF'24 - IIT-Madras.
- Participated - DD Robocon'24 - ABU ROBOCON- IIT-Delhi.
- Participated - Tech and Innovation Fair TIF'25 - IIT-Madras.
- Participated - Tech and Innovation Fair TIF'24 - IIT-Madras.

## Extra-curricular activities

### Co-Founder, Humanity Welfare Club,

- Actively participating to serve foods and basic need of human being
- I was being a best part of club to organize and maintain the work flow of event  
Accomplished more than 6 events and 10+ services

## Declaration

All the information mentioned above in the resume is corrected to the best of my knowledge and belief.

Place - Coimbatore

Date - 16/07/20205