

# Sridhar

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## Education

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THANTHAI PERIYAR GOVERNMENT INSTITUTE OF TECHNOLOGY 11/21 - 01/24  
BACHELOR OF ELECTRONICS AND COMMUNICATION ENGINEERING

## Projects

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BLUETOOTH CONTROLLED CAR WITH METAL DETECTOR 01/22 - 01/22

- Developed Bluetooth-controlled car using Arduino and mobile phone

GREETINGS ROBOT WITH OBJECTS AVOIDANCE 02/23 - 03/23

- Developed a robot capable of greeting users and navigating autonomously.Utilized servo motors for hand control and BO motors for movement.Integrated OLED display for expressive eyes.

GARBAGE SEGREGATION AND BIN LEVEL INDICATION 01/24 - 01/24

- Utilized OpenCV for laptop camera access, AI for waste classification, and Arduino-controlled servos for bin sorting. Integrated ESP32 for web-based bin level monitoring, optimizing waste collection efficiency.

## Key Skills

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- Proficient in C++, Python
- Skilled in Embedded C