



ATHARVA THADVE

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

OBJECTIVE

Learning about new and emerging technologies like AI and embedded electronics. Utilize my strong background in electronics engineering to develop the innovation solution for the benefit of organisation.

EDUCATION

Government College of Engineering, Karad (2022-2026)

B.Tech in Electronics and Telecommunication Engineering

C.G.P.A : 8.47

Shri Shahu Maharaj High-school, Nanded (Feb -2021)

Higher Secondary Certificate Examination

Percentage: 88.90

Shri Shahu Maharaj High-school, Nanded (March-2019)

Secondary School Certificate Examination

Percentage: 92.20

PROJECT

Autonomous Rover (ISRO Project)

Created an autonomous rover for an ISRO competition with NVIDIA Jetson Nano and ROS. Features include autonomous navigation, obstacle detection, and sample collection using advanced sensors and efficient algorithms. Demonstrated rover's capabilities in the competition.

Sign To Speech Module(Smart India Hackathon)

Developed a sign language to speech module for the deaf using ESP and flex sensors. The system translates hand gestures into spoken words with Python and Arduino, improving communication accuracy. This innovative technology breaks communication barriers, enhancing interactions for the deaf community.


Image control Car(Micro-controller Project)

I created a wireless car that can be maneuvered through hand gestures. This innovative project incorporates an ESP microcontroller, geared DC motors, and the MediaPipe library. Programming was done using the Arduino IDE, and communication between the Arduino IDE and Python was established through the serial library.

Autokit(Science Project)

Created an IoT project for accurate data collection in fields, measuring humidity, temperature, and soil moisture using sensor arrays. Averaging techniques remove offset values for accuracy. Data is processed and shown on a mobile app, offering real-time monitoring for field management.


CONTACT

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TECHNICAL-SKILLS

- Python, C/C++
- Web-development
- Image Processing
- Embedded C
- Development Boards

SOFT-SKILLS

- Good Leadership
- Hardworking
- Adaptability

LANGUAGE

- English
- Hindi
- Marathi