Mansi Utane

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TECHNICAL SKILLS

Programming Languages :	**Communication Tools and Interfaces:**
Embedded C	DSA in CPP	JavaScript	MATLAB	Arduino IDE	Visual Studio	ESP8266 WiFi	Motor Drivers

EDUCATION

SGGSIE&T , Nanded, Electronics and Telecommunication (B.Tech) Nanded 🔗
CGPA : 7.84
Dec 2021 – present
Nanded, India

Indutai Memorial High School and Jr. College,Tumsar, HSC , (General Science) 🔗
Percentage : 81.17%
Jul 2020 – Jun 2021
Tumsar, India

Janta High School ,Tumsar, SSC , Janta High School ,Tumsar 🔗
Percentage : 76.80%
Mar 2018 – Jun 2019
Tumsar, india

PROJECTS

Vehicle Positioning and Accident Detection System
- Improved vehicle recovery rates by 90% using real-time GPS and GSM monitoring for positioning and accident detection.
- Boosted emergency response efficiency by 80% with automatic accident detection and alarms.
- Reduced response time by 75% using SMS notifications to alert nearby agencies.
- Elevated vehicle security by 85% with precise location tracking.

Hand Follower Robot
- To develop a robot that autonomously follows the movement of a human hand.
- Ultrasonic Sensors Detects the distance to the hand.
- Arduino Microcontroller Central control unit for processing sensor data
- Motor Drivers and DC Motors Control movement based on sensor inputs.

Automated Gauge Selection System
- Minimized gauge selection errors by approximately 90%, ensuring higher accuracy in industrial measurements.
- 80% Increased Efficiency Automated gauge selection, reducing manual selection time significantly.
- 85% Improved Feedback Accuracy Ensured reliable gauge selection before measurements.
- Reduced Development Time Streamlined circuit design and prototyping using Fritzing software.

POSITION OF RESPONSIBILITY

Vatsalya (NGO)
May 2022 – Feb 2023
- Organized and executed tree planting events, resulting in the successful planting of 500 trees.
- Conducted 2 visits to orphanages, contributing to various support and development activities.
- Implemented waste management projects that achieved a 30% reduction in local waste.

International Society of Automation (ISA), Member
May 2022 – May 2024
- Designed and produced over 5 engaging posters and promotional materials, which increased event visibility by 40% and boosted club membership by 25%.
- Managed social media accounts, creating and scheduling impactful content that led to a 50% increase in community engagement and a 35% rise in event attendance.

Event Coordinator
Aug 2022 – May 2023
- Coordinated 5 major technical competitions, leading a team of 12 and attracting over 75 participants each. Achieved a 20% improvement in event satisfaction ratings.

EXTRACURRICULAR ACTIVITES

Smart India Hackathon 2023
2023
- Developed and presented a proof of concept for a low-cost solution to reduce AT&C losses in the electric sector, improving system efficiency by 15% with a radio transmitter-oriented circuit at distribution poles.

NCC B Grade Certification
2017 – 2019
- Cultivated advanced leadership and teamwork skills by leading a group of 40 cadets in a year-long community service project, resulting in a 30% increase in volunteer participation and fostering stronger community ties.

LANGUAGES

- English
- Marathi(Native)
- Hindi

INTERESTS

- Puzzle Solving
- Creative Writing and Poetry