

PRADEEP EG

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SKILLS

C, Python, Machine Learning, DSA

EDUCATION

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Bachelor of Technology in Electronics and Communication Engineering - CGPA : 8.2

Tiruchirappalli

2022–Present

CHELLAMMAL MATRIC.HIGHER SEC.SCHOOL

12TH :78.8 Percentage

10TH :98.6 Percentage

Tiruchirappalli

2021–2022

2019–2020

PROJECTS

SOIL MOISTURE DETECTING SENSOR

MAR-2024

- Developed a sensor-based agricultural system to monitor soil moisture, temperature, and humidity, ensuring real-time data acquisition for optimizing crop health.
- Efficiency Assessment: Tested system reliability across different terrains, achieving a improvement in water usage efficiency and supporting sustainable farming initiatives.

HOME AUTOMATION SYSTEM USING AUDRINO NANO

NOV-2024

- Automated Home Control: Designed a home automation system enabling remote control of appliances like lights, fans,etc.. via a mobile application.
- Reliability Testing: Conducted thorough testing in various home setups, achieving operational accuracy and enhancing user convenience.

FALL AND DETECTION SYSTEM USING NODEMCU AND MPU6050

JUN-2024

- Real-Time Fall Detection: Designed a system to detect falls and notify caregivers using MPU6050 sensor, with real-time processing on NodeMCU.
- Accurate Motion Analysis: Developed algorithms to differentiate between normal activities and fall events, leveraging MPU6050's precise motion-tracking capabilities.

EXPERIENCE

IIIT SRI CITY HACKATHON (POWERED BY PLANOTECH GROUP OF COMPANIES)

DEC-2023

CURRENTS'24 EVENTS (PRESENTED BY MICRON)

MAR-2024

Held at National Institute Of Technology Tiruchirappalli

PROBE'24 WORKSHOPS(PRESENTED BY QUALCOMM AND INNOVIANS TECHNOLOGIES)

FEB-2024

Held at National Institute of Technology Tiruchirappalli

INDUSTRIAL TRAINING AT BSNL

DEC-2023

Held at Tiruchirappalli

MSME IDEA HACATHON 4.0

OCT-2024

LANGUAGES

Tamil, English

EXTRA CURRICULAR ACTIVITIES

Volunteer at IDE Bootcamp held at Tiruchirappalli

SEP-2024