PRADEEP EG

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**SKILLS**

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C, Python, Machine Learning, DSA

# **EDUCATION**

**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY** Tiruchirappalli

Bachelor of Technology in Electronics and Communication Engineering - CGPA : 8.2 2022–Present

**CHELLAMMAL MATRIC.HIGHER SEC.SCHOOL** Tiruchirappalli

12TH :78.8 Percentage 2021–2022

10TH :98.6 Percentage 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 AURDINO 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**

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Tamil, English

**EXTRA CURRICULAR ACTIVITIES**

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Volunteer at IDE Bootcamp held at Tiruchirappalli SEP-2024