S THIRUMURUGAN

B.TECH – ELECTRONICS AND COMMUNICATION ENGINEERING

Contact

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Skills

Programming Languages
- Java, Python, C
- HTML and CSS
- Basics in Micropython

Softwares
- Visual Studio Code
- Arduino IDE
- Thonny IDE

Areas of Interest

- Python programming
- Java programming
- Front end Web development(HTML and CSS)
- Networking

Strengths

- Adaptability
- Creative thinker
- Good problem solver
- Team player
- Quick learner

Co-curricular Activities

- Coordinated paper presentation events at GENESIS-2K23 and ENCINFO-2K23, organized by the Department of ECE, PTU, with participation from over 72 teams.
- Solved numerous coding challenges from Prepinsta's Top 100 codes and LeetCode, and uploaded them to my GitHub profile.

Objective

Seeking an oppurtunity to enhance my career and use my skills to work in a professional working Environment , where I can make a positive impact on the organization.

Internship

Intern at BSNL, Puducherry   May 2023-June 2023

- I have gained some work experience as an Intern in **Bharat Sanchar Nigam Limited** , Puducherry .
- I had the opportunity to learn about GSM Architecture , **Telecommunication** process and Optical Fiber Systems both Theoretically and Practically.

Projects

- I have developed a project on **"HYBRID CRYPTOGRAPHIC ALGORITHM FOR IOT NODES"** to enhance the security in IoT environments using **Micropython** and **ESP32.**
- I have developed a low-cost and easy-to-use **REAL TIME MISSING OBJECT DETECTOR** using the **Arduino** development kit. The device detects missing objects in indoor environments.
- I have developed a more efficient and farmer-friendly **REAL TIME SOIL MOISTURE DETECTOR** using the **Arduino** development kit, that automatically irrigates crops and repels pests.

Education

- **Puducherry Technological University**   2020-2024
  B.Tech - ECE (Minors in CSE)
  CGPA : 9.11/10
- **Alpha.Matriculation.Higher.Secondary.school**
  HSC   2019-2020
  Grades : 92.16 %
- **Alpha.Matriculation.Higher.Secondary.school**
  SSLC   2017-2018
  Grades : 97.2 %

Certifications

- NPTEL online course on "Soft Skill Development"
- NPTEL online course on "The Joy of Computing using **Python**"
- NPTEL online course on "Psychology of Stress,Health and Wellbeing"
- Guvi online certification course on "**ChatGPT** for Everyone"

Workshops

- 2 days hands-on workshop on "**Internet of Things**" offered by Techobytes Technologies organized by IIT Madras,Chennai.
- 2 days hands-on workshop on "**Ardubotics Robotics**" by Technex'22 , IIT Varanasi delivered by Innovians Technologies organized by Vellore Institute of Technology,Chennai.