

# PUNITH S

(ECE) | EMBEDDED SYSTEMS, IOT & DATA ANALYTICS

Hosur, Tamil Nadu • Phone: +91 90424150 • Gmail: punithsece@gmail.com  
LinkedIn: [Punith.S](#)

## SKILLS

- Embedded Systems & IoT (ESP32/Arduino)
- PCB Design
- Programming: Python, C, C++
- Data Structures & Algorithms (Basics)
- Data Analysis
- AutoCAD (2D)
- SolidWorks (3D Modeling Basics)
- MS Office Tools:
  - Excel
  - Word
  - PowerPoint

## EDUCATION

### Adhiyamaan College Of Engineering, HOSUR

(2023-2027)

Pursuing Bachelor of Engineering,  
Specialization in Electronics and Communication Engineering

### Maharishi Vidhya Mandir, HOSUR

(2021-2023)

Higher Secondary Education,

- Secured 80% in HSC
- Secured 75% in SSLC

## TRAININGS & INTERNS

### Hardware Engineer @ ChattingBirds Pvt.Ltd. (Internship)

Aug 2025 - Feb 2026

Worked as a Hardware Engineer, involved in the design, testing, and troubleshooting of electronic circuits and embedded systems. Assisted in hardware debugging and system integration. Contributed to product development by integrating microcontrollers (ESP32/Arduino) and ensuring system reliability through testing and validation.

### In-plant Training @ TVS, Hosur

June 2025

Explored automotive manufacturing at TVS Motor Company, gaining insights into EVs, automation, and how electronics, sensors, and PLCs enable efficient processes in modern automotive and three-wheeler production.

### Internship @ BSNL, Chennai

June 2025

Completed one week intern and Gained Practical telecommunication experience in the field by collaborating with BSNL field engineers on installation, testing and maintenance activities

### Internship @ Infotact Solutions

May - July 2025

Worked as a Data Analytics Intern, gaining hands-on experience in data preprocessing, visualization, and machine learning. Completed projects on Sales Data Analysis & Dashboard (Excel/Power BI) and Customer Segmentation using K-Means Clustering (Python), providing actionable business insights.

## HACKATHON

### SIH 2024

Sept 2024

Participated in Smart India Hackathon Conducted by Institution's Innovation Council (Ministry of HRD Initiative).

- Presented prototype Project Proposals of,
  - Water Quality Monitor System.
  - Women Safety Analytics (Rapid Rescue Application).

### SIH 2025

Sept 2025

Participated in the Smart India Hackathon under the Hardware Category conducted by the Institution's Innovation Council (Ministry of HRD Initiative).

- Presented an AI-based autonomous rover for smart agriculture, integrating sensors, AI analytics, and IoT for real-time crop monitoring and disease detection.

## **PROJECTS**

- **Sales Data Analysis and Dashboard (Excel/Power BI) @ Infotact Solutions**

Completed Sales Data Analysis & Dashboard project at Infotact Solutions using Excel and Power BI. Built interactive visuals, DAX insights, and published reports highlighting key trends, performance, and forecasts.

- **Customer Segmentation using K-Means Clustering (Python) @ Infotact Solutions**

Completed Customer Segmentation project at Infotact Solutions using Python and scikit-learn. Applied K-Means clustering with the elbow method to group customers by demographics and spending behavior, delivering actionable profiles for targeted marketing and customer insights

- **Personal Projects**

- Water Level Monitoring System
- Fire Alarm System
- IoT-Based Home Automation (ESP32)
- Smart Parking System
- Radar System using Arduino
- Automatic Temperature Controlled Fan System.

---

## **ADDITIONAL EXPOSURES**

### **Events Lead**

- Convention on Quality Concept Organized by QCFI.
- World Record Event of Silambam Organized by WUSF.
- STEM FEST 2025 an Event of Science & Technology

---

## **EXTRA CURRICULAR**

- NSS - Unit Leader.
- NCC - "A" Certificate Holder.
- Scouts - Tritiya Sopan & Rajya Puraskar Certificate Holder.

---

## **LANGUAGE KNOWN**

- ENGLISH.
- TAMIL (Native).