

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.
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ADDITIONAL EXPOSURES

Events Lead

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

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

- ENGLISH.
- TAMIL (Native).