

VIMALAN S

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Education

B.E Computer Science Engineering Chennai Institute of Technology, Tamil Nadu	CGPA 8.61 2023 – 2025
HSC CK School of Practical Knowledge Matriculation Higher Secondary School Cuddalore, Tamil Nadu	80% 2022-2023

Internship Experience

CIT – Research Internship:	(NOV 2024 – DEC 2024)
<ul style="list-style-type: none">Review Article: Harnessing Artificial Intelligence and Hyperspectral Imaging for Precision AgricultureResearch Article: Enhancing Network Security with Dynamic Port Scanning	
Microchip University Embedded Virtual Internship:	(OCT 2024 – DEC 2024)
<ul style="list-style-type: none">Embedded Programming	
Zscaler – Zero Trust Cloud Security Virtual Internship:	(JUL 2024 – SEPT 2024)
<ul style="list-style-type: none">Cloud Security practices	

Projects

- Mobile Forensic Triage Tool:**
 - Built a desktop application using PyQt6 to interface with Android devices via ADB for data extraction and preview.
 - Supports viewing and exporting SMS, call logs, contacts, media files, and WhatsApp data for forensic analysis.
- Med Station – Medicine Vending Machine Management System:**
 - Built a secure admin dashboard using React, Node.js, and MySQL to manage inventory, machines, and doctor performance.
 - Implemented CRUD operations, low stock alerts, email notifications and real-time analytics for better oversight.
- AI-driven Call Back Automation for BPO Systems:**
 - Automated query handling using speech recognition (Whisper) and NLP (BERT), with sentiment analysis for personalized responses.
 - Integrated multilingual support to enhance customer experience and optimized workflow, reducing operational costs.

Skills

- Programming Language:** Python, C++, Java (Intermediate), JavaScript (Intermediate)
- Frameworks:** PyQt6/Pyside 6, React js, FastAPI, PyTorch
- Database:** MongoDB, MYSQL

Certifications

DBMS NPTEL (JAN 2024 – MAR 2024)
Data Structures (JUN 2024 - JUL 2024)
Machine Learning A-Z: AI, Python [2025] (MAR 2025 - APRIL 2025)
AWS – Cloud Practitioner Essentials (MAY 2025)

Achievements

Leetcode – Knight, Top 5.85%
Leetcode – 800+ Problems Solved (Rating – 1852 max)
CodeChef : 2 Star (Rating 1503 max)
CodeForces: Rating 1170