

THILAKKUMAR S

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SUMMARY

MCA graduate with hands-on experience in software development through an SDE internship at Zoho Corporation and academic projects. Skilled in Python, C/C++, Java, Oracle OCI, Oracle RAC, PostgreSQL, Git, Linux, SDLC, and embedded systems. Strong foundation in object-oriented programming, data structures, problem solving, debugging, testing, and software development.

SKILLS

Programming Languages: Python, C++, Java, C, PHP

Web Technologies: HTML, CSS, JavaScript

Databases: MySQL, PostgreSQL

AI Tools & Platforms: ChatGPT, Claude, Gemini, GitHub Copilot, Cursor

Cloud & Infrastructure: Oracle RAC, Oracle OCI, Linux, Docker, SSH

Version Control: Git, GitHub

Tools & IDEs: VS Code, Arduino IDE, EasyEDA, MS Office

Concepts: Object-Oriented Programming (OOP), Data Structures, SDLC, Agile, Software Development

PROJECTS

IoT-Based Multi-Testing Device Using ESP32

Embedded Systems & IoT Project

2026

ESP32, NFC, Embedded C

- Developed embedded firmware for ESP32 using Embedded C.
- Integrated TFT display, NFC, SD card, and communication interfaces (SPI, I2C, UART).
- Performed hardware-software integration, debugging, testing, and validation of embedded systems.

SCSVM Staff Portal

Web Application

2025

PHP, MySQL, Bootstrap

- Built a web-based staff management system using PHP and MySQL.
- Implemented role-based access control and CRUD operations for staff data management.

RFID Attendance System

IoT Project

2024

RFID, NodeMCU ESP8266

- Developed an RFID-based attendance system using NodeMCU ESP8266.
- Automated attendance recording and management.

EXPERIENCE

SDE Intern

Zoho Corporation Pvt. Ltd.

Feb 2026 – Apr 2026

Chennai, Tamil Nadu

- Contributed code to the Site24x7 Plugin repository using Git as part of product development.
- Worked with Oracle RAC, Oracle OCI, PostgreSQL clusters, and Linux environments.
- Explored DevOps concepts, Docker containerization, and deployment workflows.

EDUCATION

SCSVMV University

Master of Computer Applications (MCA) – CGPA: 8.15/10

Kanchipuram, Tamil Nadu

2024 – 2026

SCSVMV University

Bachelor of Science in Computer Science (B.Sc. CS) – CGPA: 8.12/10

Kanchipuram, Tamil Nadu

2021 – 2024

CERTIFICATIONS

- Python Programming Certification – FOSSEE, IIT Bombay
- NPTEL Certification – Introduction to Internet of Things
- NPTEL Certification – Ethical Hacking