

Vijay Satheesh

C/C++ Developer

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https://github.com/vijayskk

Passionate and results-driven C/C++ developer with a strong foundation in electronics and communication engineering. Skilled in low-level system programming, embedded systems, and hardware-software integration. Experienced in building performance-optimized tools, interpreters, and encryption modules using C/C++. Adept at bridging the gap between code and circuits, with hands-on expertise in Linux, Git, and PCB design. Always eager to explore the intersection of software and hardware through open-source innovation.

CERTIFICATIONS

Advanced C Programming Course • 12/2024 - 06/2025
Udemy

Learn Ethical Hacking From Scratch •
05/2023 - 12/2023
Udemy

PROJECTS

Safeguard++ • 01/2025 - 02/2025

Safeguard++ Antivirus, a lightweight antivirus program written in C++ with OpenMP for parallel processing.
Github Link

Vencrypt • 04/2024 - 06/2025

Cemulator • 10/2024 - 12/2024

A Basic Assembly Language Interpreter written in raw C. This project allowed me to dive deep into the intricacies of assembly language and C programming.
Github link

WORK EXPERIENCE

International Centre for Free and Open Source Solutions (ICFOSS) •
Trivandrum, Kerala, India • 09/2024 - Present
ICFOSS OpenIoT Student Ambassador (Internship)

- Developed sensor data handling code for OpenIoT boards using C. Coordinated with FOSS communities for knowledge sharing.

SKILLS

Programming Languages

- C
- C++
- Python

Tools & Platforms

- Linux
- Git

Hardware Skills

- Circuit Design
- PCB Designing

Soft skills

- Problem Solving
- Active listening
- Creativity

Concepts

- Data Structures and Algorithms
- Optimization

EDUCATION

Bachelor's degree in Electronics and Communication Engineering

APJ Abdul Kalam
Technological University
10/2022 - 10/2026

Higher secondary school in Computer Science

NMHSS Tirunnavaya
06/2019 - 06/2021