Saurabh B. Koravi

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🪪 PROFILE

Electronics and cybersecurity enthusiast with a strong foundation in both hardware systems and software programming. Experienced in embedded systems, C/C++/Python development, and interested in low-level programming and system security. Passionate about penetration testing, security analysis, and continuously learning to build secure, efficient software. Currently seeking a challenging software development internship to apply my skills in real-world projects and contribute to innovative solutions.

🧠 SKILLS

Programming Languages ●●●●○
C, C++, Python, JavaScript (basic)

Embedded Systems & Firmware ●●●○○
Arduino, Raspberry Pi, Device Drivers (basics)

Operating Systems ●●●●○
Linux (Ubuntu/Kali), OS Internals (processes, memory, threads)

Version Control ●●●○○
Git, Github

Tools ●●●●○
GCC, GDB, VS Code, Bash/Shell Scripting

Software Concepts ●●●○○
System Programming, DSA, Debugging

🌐 LANGUAGES

English, Hindi, Marathi ●●●●○

Japanese ●○○○○

🎓 EDUCATION

M. Tech - CyberSecurity
MIT - World Peace University
2024 – 2026 | PUNE, India

B.E. - Information Technology
Pune Vidhyarthi Griha's College of Engineering and Technology
05/2019 – 01/2023 | PUNE, India

💼 PROFESSIONAL EXPERIENCE

PDEA's Mamasaheb Mohol College
Assistant Lecturer
08/2023 – 06/2024 | PUNE, India
- Delivered lectures on **Software Development**, covering **C, Web Development, Databases, Linux, and Operating Systems** for the B.Voc (Software Development) program under SPPU.
- Designed and evaluated coursework, guided student projects, and fostered a hands-on approach to learning.
- Mentored students in practical problem-solving and coding best practices.

Pheonixgen Systems Pvt. Ltd.
UI/UX Developer Intern
08/2021 – 12/2021 | PUNE, India
- Contributed to the UI design of a stock trading application using **FlutterFlow**.
- Integrated Firebase as the backend for real-time data synchronization.
- Participated in daily scrums, testing cycles, and managed **CI/CD pipelines using Codemagic**.
- Gained exposure to agile development, collaborative workflows, and app deployment.

📁 PROJECTS

DDoS Mitigation System for Cloud Architecture -
Leveraging Smart Contracts
Designed a secure infrastructure using **DMZs, Load Balancers, and Hyperledger Blockchain** for log auditing.

Aadhar Data Sharing API
Developed a prototype API to securely authenticate users and share identity data based on consent models.

Line Following Robot with Neural Network
Developed a **custom neural network in C++** for a robot using **feedforward and backpropagation algorithms**; deployed on **Arduino Uno**.