

AKSHAY PIRANAV BEEMARAJ

Software Development Engineer | Cyber Security Engineer

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Summary

Security-focused **SDE Intern** with **1 year of experience at Quarksek Technologies**. Skilled in **building cybersecurity tools, penetration testing, and implementing secure systems**. Eager to apply technical expertise to improve security, find vulnerabilities, and support resilient infrastructure in a **Cybersecurity Engineer** role.

Skills


Software Development:

Python, Django, Flask, FastAPI, Redis, Celery, ORM, MySQL, PostgreSQL, MongoDB, Docker, Git, GitHub, Solid Principles

Security & Testing:

Computer Networks, Nmap, Metasploit, Wireshark, BurpSuite, Postman, Selenium, Pytest, Splunk Enterprises, Security Principles, Penetration Testing, Static application security testing, Software Composition Analysis, Software Bill of Materials, Bash, Cryptography Essentials.

Experience

	Quarksek Technologies Private Limited Software Development Engineer Intern - Cyber Security	Eijipura, Bengaluru 04/2024 - Present
<ul style="list-style-type: none">• Automated testing setup for QA, cutting manual effort by 40% and improving efficiency.• Built a custom SAST tool using top scanners, providing 30% better vulnerability detection and deeper insights.• Created SCA and SBOM tools, boosting dependency risk visibility by 50% and enhancing security assessments.• Developed a DAST tool with FastAPI, reducing manual testing by 60% and accelerating vulnerability identification.		

Education

	Kamaraj College of Engineering and Technology B.Tech Artificial Intelligence and Data Science CGPA:8.58/10	Madurai, India 07/2021 05/2025
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Projects

Py-Boards

- **Developed a cloud-based Python execution platform** using **Django, PostgreSQL**, and **Bootstrap** for real-time **IoT integration**.
- **Built a cross-platform desktop client** with **ElectronJS**, ensuring secure code execution through **YARA-based scanning**.
- **Optimized hardware-software interaction** for low-power devices like **Arduino** and **Raspberry Pi**, enhancing performance.

Automated Pen Testing

- **Developed backend** integration of **Nmap** and **ZAP** for **automated penetration testing** and **vulnerability assessment**.
- Implemented **Redis** and **Celery** for efficient **queue management**, and **OTP-based email authentication** for secure user registration.
- **Secured 2nd place in the Quarksek Hackathon**, leading to a **13-month internship-to-full-time job offer** at **Quarksek Technologies**.

Languages

English Proficient ●●●●●

Tamil Native ●●●●●

Telugu Proficient ●●●●●