

Aparna S

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OBJECTIVE

Passionate IoT and Cybersecurity engineering student with strong skills in Python, JavaScript, and backend development. Experienced with Flask, Node.js, Docker, Git, and REST APIs. Interested in DevOps, cloud computing, and integrating ML models into production systems.

EDUCATION

B.E. IoT, Cybersecurity & Blockchain – Dayanand Sagar academy (2024–2027)

| CGPA: 7.64

Diploma in CSE – Sri Venkateshwara Polytechnic (2021–2024)

| CGPA: 8.98

SKILLS

Languages: Python, JavaScript, C, Java (Basics)

Frameworks & Libraries: Flask, Django, Node.js, Pandas, Matplotlib

Web & API Development: REST APIs, HTML, CSS

DevOps & Tools: Git, Docker, AWS (basic), Linux, CI/CD

Databases: MySQL, MongoDB

Other Tools: Figma, Canva, Firebase

PROJECTS

Penetration Testing Toolkit

- A set of scripts to simulate cyberattacks such as network scanning and brute-force testing. Designed for learning and security assessments.

Pen Goat

- Developed a Node.js tool to detect OWASP vulnerabilities XSS, Open Redirect, Security Headers) via WebSocket-based scanning

Advanced Encryption Tool

- Provides encryption and decryption using algorithms like AES and RSA for secure communication. Supports key management and data protection.

Travel UI Design Internship project at JB Portals

- Designed a complete travel website UI using Figma and Canva, focusing on user-friendly and responsive layouts

INTERNSHIPS

Python Programming Intern – The Developers Arena

Sep 2025 – Present

- Writing Python scripts and automation programs for internal tasks and small projects.
- Debugging and optimizing Python scripts for automation efficiency.

Cyber security and ethical hacking- Codtech IT Solutions

Jul–Aug 2025

Completed four key tasks involving vulnerability analysis, threat detection, and security improvements.

Gained practical experience applying ethical hacking techniques in real-world scenarios.

Frontend developer Intern- JB Portals

Jan–April 2024

- Designed and developed UI/UX layouts for a travel website using tools like Figma.

CERTIFICATES

- Frontend developer Intern, JB Portals
- Java Programming Fundamentals, Infosys springboard
- Introduction to Architecting Smart IoT Devices, Coursera