PARTHASARATHY D

Coimbatore, TamilNadu

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SUMMARY

Cybersecurity Enthusiast and Web Application Security Researcher

Final-year Computer Science Engineering student and Web/API Security Researcher focused on web application security, API security, reconnaissance, and vulnerability research. Hands-on experience through CTF challenges and security labs, including PortSwigger Web Security Academy and HTB machines. Currently pursuing the APIsec Certified Security Practitioner (ASCP) certification while deepening practical skills in identifying and understanding application-layer vulnerabilities.

EDUCATION

Kumaraguru College of Technology, Coimbatore *Sep 2023 - May 2027*

B.E. Computer Science and Engineering CGPA : 8.66

PROJECTS

JWTopsy – Context-Aware JWT Security Analyzer *Python, JWT/JOSE, Click, Pytest*

- Built a context-aware JWT analyzer for passive and active detection of cryptographic, claim-validation, parser, and key-management vulnerabilities.

ReconPilot – Adaptive Reconnaissance Framework *Python, Nmap, ffuf, httpx, SQLite*

- Developed an adaptive recon framework automating subdomain discovery, port scanning, HTTP probing, directory fuzzing, and TLS analysis with risk correlation.

FairHire – Private AI-Augmented ATS *Python, FastAPI, Streamlit, LLaMA, Ollama*

- Built an on-premise AI recruitment system for resume-job matching, demographic anonymization, relevance scoring, and HR analytics using local LLMs.

TECHNICAL SKILLS

Security Domains	Web Application Security, API Security, Penetration testing
Offensive Tools	Burp Suite, Metasploit, Nmap, SQLMap, ZAP, Wireshark, FFuf
Networking Fundamentals	TCP/IP, OSI Model, HTTP/HTTPS, DNS
Programming & Scripting	Python, Bash, PHP
Cloud	AWS, Azure
DevOps	Docker, Git
Operating Systems	Linux (Kali, Ubuntu), Windows

EXPERIENCE

TEAM NOVA 2023 – Present

Core Player, Student CTF Team *India*

A top 5 ranked student-led CTF team in India (2025), competing in national and international cybersecurity contests.

ACHIEVEMENTS

- **Indian Army Terrier Cyber Quest 2025** – **Secured Top 10**; Finalist among 2,000+ participants.
- **YUKTHI 2.0 2025** – **Secured 1st Place** in Qualifiers; **Top 5** in Finals.
- **DEFCON Coimbatore CTF 2026** – **Secured 5th Place** among 800+ participants.
- **HyperVerge Hackathon 2026** – **Secured 2nd Place** among 400+ participants.
- **InCTF 2026** – **Secured 2nd Place** among 300+ participants.