

Tamilarasu M

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CYBERSECURITY ENTHUSIAST

I am a passionate cybersecurity professional with hands-on experience in **penetration testing, vulnerability assessments, and CTFs**. I specialize in **web application security, network security, and cloud security**, and have a strong interest in integrating **AI and cloud security solutions** to enhance cybersecurity operations.

TECHNICAL SKILLS

Spoken : English, Tamil
Programming : Python, Java
Security Tools : Burp Suite, Wireshark, NMAP, OSINT Tools
Cloud Platforms : AWS, Google Cloud Platform (GCP)
AI/LLM Tools : LM Studio, Ollama, LangChain, LiteLLM
Dev Tools : Linux (Kali, Ubuntu), Git, Docker

EXPERIENCE

Cybersecurity Enthusiast 2023 – Present
Self-Learning and Practice

- Explored **penetration testing** and **vulnerability assessments** through personal projects and CTF participation
- Developed knowledge in **OSINT**, **web application security**, and **cloud security** through hands-on exercises
- Completed various challenges on **TryHackMe** and **picoCTF** to strengthen practical cybersecurity skills

Web Development Projects 2023 – Present
Freelance / Personal Projects

- Built personal projects using **HTML, CSS, JavaScript, and PHP** to improve web development skills

EDUCATION

KSR Institute for Engineering and Technology Tiruchengode, Tamil Nadu, India
Bachelor of Engineering in Computer Science and Engineering (Cyber Security) 2023 – 2027

PROJECTS

ModusMapping *AI, Python, Machine Learning, Web Development, MongoDB, Flask* Source Code

- Developed an **AI-powered crime analysis tool** for crime summarization and modus operandi detection
- Implemented **AI/ML models** for real-time crime clustering and analysis
- Built a **responsive web dashboard** for crime data visualization and evidence management
- Integrated **cloud security solutions** to ensure secure data storage and access

CERTIFICATIONS

- Foundations of Cybersecurity by Google
- Play It Safe: Manage Security Risks by Google
- Connect and Protect: Networks and Network Security by Google
- Machine Learning Capstone by IBM
- Fortinet Certified Fundamentals in Cybersecurity
- Google Cloud: Cloud Computing Fundamentals
- Google Cloud GenAI Study Jam
- Vipassana Code Season 4: Data to Generative AI