SANDHIYA D

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PROFILE

Dynamic **Computer Science Engineering student specializing in Cybersecurity**, with hands-on experience in **ethical hacking, machine learning, and security automation**. Adapt at leading AI/ML projects, developing **anomaly detection systems, IDS/IPS frameworks, and game intelligence platforms**. Recognized for **project leadership, critical thinking, and problem-solving skills**. Aspiring **entrepreneur and Red Hat hacker**, with a vision to bridge **AI-driven innovation and cybersecurity defense** for next-generation digital resilience.

SKILLS

Programming & Scripting: Python, C, C++, Java, JavaScript, HTML, CSS
Cybersecurity & Penetration Testing: Metasploit, Burp Suite, VAPT, Penetration Testing, Zap Proxy, Caido, Nmap, SQLi, Gobuster.
AI & Machine Learning: TensorFlow, PyTorch, XGBoost, Open LLaMA
Tools & Platforms: Linux, Unreal Engine 5, PowerPoint
Soft Skills: Project Management, Problem Solving, Critical Thinking

EDUCATION

B.E. in Computer Science & Engineering, Cybersecurity Specialization – KCG College of Technology, Expected 2027 **CGPA:** 8.44

EXPERIENCE

Cybersecurity Intern - UptoSkills Virtual Internship | Duration: January 2026 – April 2026

- Conducting vulnerability assessment and penetration testing (VAPT) on web applications
- Performing network scanning using Nmap and Gobuster
- Testing for OWASP Top 10 vulnerabilities (SQLi, XSS, IDOR, etc.)
- Assisting in security auditing and report preparation
- Working with tools such as Burp Suite, SQLmap, Nuclei, Wapiti

AI/ML Intern – UptoSkills Virtual Internship | Duration: January 2025 – April 2025

- Project 1: Eye-Disease Classification – An AI-powered vision loss disease classifier detecting Glaucoma, Cataract, etc.
- Project 2: Crowd Surveillance – AI-enhanced Crowd Surveillance detecting gender and anomalies in crowds.

AI/ML Intern – MitBots Virtual Internship | Duration: April 2025 – August 2025

- Project 1: Question Bank Framework Model – AI-enhanced QB framing model for educational institutes.
- Project 2: Fitness Tracking – ML-powered daily monitoring system producing performance values.

PROJECTS

- **Adaptive Zero Trust Firewall & AI-Powered IDS/IPS with Immutable Logs and Anti-Phishing** (Python, AI, Security Tools)
- **Vulnerability Assessment & Penetration Testing (VAPT)** –HindustanSchools.in (Web Security Tools)
- **AI-Enhanced Storytelling System** – Creates or collects stories dynamically based on user prompts (TensorFlow, Python)
- **Eye Disease & Skin Disease ML Models** – RNN-powered classification providing descriptions and preventive methods (TensorFlow, Python)

CERTIFICATIONS

- **Vulnerability Assessment and Penetration Testing** (76 hrs) – KCG College of Technology x Datayaan
- **Introduction to Cybersecurity** – Cisco NetAcad
- **CCNA: Introduction to Networks** – Cisco NetAcad
- **Python Essentials 1 & 2** – Cisco NetAcad x Python Institute
- **Privacy and Security in Online Social Media** – NPTEL
- **LinkedIn Learning**: Supervised Learning, and advanced C++ modules

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ACHIEVEMENTS

- **3rd Place , Cyber Hackathon** – Department of CyberSecurity, SRM University
- **Performed Vulnerability Assessment & Penetration Testing (VAPT)** on *HindustanSchools.in*, delivering comprehensive reports with critical findings and actionable remediation strategies.
- **1st Place, ZERO DAY CTF** – Department of Cybersecurity, KCG College of Technology.
- **30-Day Cybersecurity Practice Streak -** TryHackme
- **Event Lead** – Cyber Fest Cyber Symposium (Among Us Cybersecurity Event)
