Laxmi Singh

B.Tech (ECE) Student | Cybersecurity & AI/ML Enthusiast

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SUMMARY

Motivated B.Tech Electronics & Communication Engineering student with a strong foundation in Cybersecurity, Machine Learning, and Computer Vision. Seeking a LinkedIn Internship to apply skills in secure AI systems, threat detection, and intelligent automation. Demonstrates a problem-solving mindset and a security-first approach.

EDUCATION

PSIT, Kanpur | Bachelor of Technology (B.Tech) - Electronics & Communication Engineering | 2024 - 2028

TECHNICAL SKILLS

Programming: Python, C, C++, HTML, CSS
Cybersecurity: Networking Fundamentals, Kali Linux, Wireshark, Nmap, Burp Suite, Metasploit, SOC Fundamentals
AI/ML: Machine Learning, Deep Learning, Computer Vision (OpenCV), NLP
Tools: Git & GitHub, VS Code, Flask, REST APIs, VirtualBox

PROJECTS

AI-Based Malware Detection System | Python, scikit-learn, XGBoost, SHAP, pefile
- Designed an ML model to classify PE files as malware or benign using opcode & API call features.
- Applied Explainable AI (SHAP) for transparent cybersecurity insights.
- Real-world integration of ML with reverse engineering principles.

Face Recognition & Spoof Detection | Python, Flask, OpenCV, CNN
- Developed an AI-based biometric system to detect spoofing via liveness checks (eye-blink, head-movement).
- Integrated Flask web app with real-time webcam processing and secure data handling.

STRENGTHS

- Security-first approach in AI
- Strong analytical and problem-solving skills
- Quick learner, adaptable, and self-motivated

LANGUAGES

English | Hindi

AVAILABILITY

Open to LinkedIn Internships in Cybersecurity, AI, or Machine Learning | Ready for Remote/Hybrid roles