MANAV SINGH JAMWAL

+91 9682359878   manavsinghjamwal@gmail.com   linkedin.com/in/   github.com/jamwal69

OBJECTIVE

Aspiring cybersecurity professional with practical experience in InfoSec Internal Audit at Paytm. Proficient in cybersecurity, with growing expertise across VAPT, blockchain, and AI. Eager to deepen domain knowledge and contribute to developing forward-thinking, resilient security solutions.

EDUCATION

Bachelor of Engineering (ComputerScience), Model Institute of Engineering and Technology	2021-2025
Senior Secondary Education, Model Academy, Bc Rd, Jammu	2020-2021

SKILLS

AWS, Automation, HTML, Shell scripting, Powershell, Hardhat, Git, Linux, Docker, Communication, Leadership, Python, Nmap, Metasploit, Wire Shark, burp suite, Blockchain, OWASP TOP 10 - (WEB, AI)

EXPERIENCE

InfoSec Internal Audit Intern   2024 - 2025
Paytm

- Conducted Data Loss Prevention (DLP) audits, analyzing and verifying rule configurations to ensure they align with security standards and confirming their proper implementation.
- Performed user access reviews for applications, identifying and addressing discrepancies to enhance security and minimize risks of unauthorized access.
- Executed API assessments to evaluate the security of multiple APIs, identifying potential vulnerabilities and contributing to improved application security.
- Started exploring cloud security and AWS with a focus on CIS benchmarks, assessing configurations to ensure compliance with global standards and improving overall security posture..

AI/ML Engineer   2024
Centre for Research Innovation & Entrepreneurship

- Developed a smart recruitment system using machine learning to predict college applicant fitment, enhancing the efficiency and fairness of the admissions process.
- Responsible for data cleaning, model building and tuning, and calculating fitment scores to refine applicant assessment.
- Utilized Python, scikit-learn, and pandas for data analysis and model development, ensuring accurate and insightful predictions.

Blockchain Developer Intern   2023
Nucleon, IIT Jammu

- Gained hands-on experience with Layer 1 platforms (e.g., Ethereum, Bitcoin) and Layer 2 solutions (e.g., Polygon, Optimism).
- Worked with cryptographic concepts and consensus mechanisms like Proof of Work and Proof of Stake, and developed familiarity with NFT minting and trading.
- Developed skills in connecting frontend GUIs to cryptocurrency wallets and blockchain networks.
- Technologies used: Solidity, Web3.js, React, Hardhat, MetaMask, IPFS.

PROJECTS

DigiCats – Blockchain NFT Game ([Try it here](#))

- Developed a full-stack NFT breeding and battling game on Polygon using Solidity and React. Implemented smart contracts for genetic breeding, marketplace trading, staking, and combat systems. Integrated a rarity-based reward mechanism, secure contract patterns (OpenZeppelin), and a responsive Web3 UI with real-time updates and dynamic NFT rendering.

People.ai

- Built an AI-driven system to evaluate and rank teacher resumes based on institutional fit. Leveraged machine learning models to assign fitment scores by analyzing academic background, skills, and experience against college requirements. Streamlined the faculty hiring process through automated, data-backed recommendations.

Akagami ([Try it here](#))

- Developed a modular penetration testing toolkit for web application security assessment. Integrated both CLI and GUI interfaces to support a wide range of security tests including XSS, SQLi, SSRF, IDOR, and authentication bypass. Designed using a microservice-inspired architecture with FastAPI backend and React-based frontend. The tool automates security workflows, supports Docker-based deployment, and features an extensible module system for future enhancements.

ACHIEVEMENTS AND AWARDS

- **Selected as a Finalist for the prestigious IEEEYESIST12 2024 competition, hosted by Tunisha, for the project People.ai.** —
- **Spot Award at Paytm** — Received a Spot Award for auditing all DLP rules, identifying misconfigurations, and suggesting new rules aligned with evolving technologies.

CERTIFICATIONS

- IBM Cybersecurity Analyst Professional
- Fundamentals of Red Hat Enterprise Linux
- Certified Cyber Warrior Hackingflix
- Introduction to Cybersecurity Tools & Cyberattacks
- Palo Alto Networks Network Security Fundamentals
- Cybersecurity Roles, Processes & Operating System Security
- NPTEL Introduction To IOT