

Manav Singh Jamwal

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PROFILE

Entry-level **Cybersecurity Engineer** with practical experience in DLP audits, API security, AWS CIS compliance, and pentesting tool development. Delivered measurable risk reduction during internship at **Paytm**. Creator of the open-source **Akagami** pentesting toolkit. Skilled in **Burp Suite**, **Nmap**, **AWS**, **Python**, and cloud security automation. Driven to strengthen digital infrastructure through secure, scalable, and innovative solutions.

EXPERIENCE

- Cybersecurity Audit Intern**
Paytm (On-site) Jul 2024 – May 2025
 - Conducted DLP audits across multiple units, identifying and remediating misconfigurations that reduced high-risk data exposures by **30%**.
 - Performed quarterly user access reviews; revoked **50+** stale privileged accounts to enhance compliance posture.
 - Executed API security assessments using **Burp Suite** and **Postman**, resolving 8+ medium-severity vulnerabilities within two sprints.
 - Automated **AWS CIS** benchmark checks with Python, improving cloud compliance from 62% to 88%.
- AI/ML Engineer (Project)**
People.ai Feb 2024 – Jun 2024
 - Built ML-based recruitment scoring model achieving 0.78 AUC; improved shortlisting efficiency by **40%**.
 - Developed Python pipelines (**scikit-learn**, **pandas**) with secure data handling and role-based access control.
 - Implemented bias detection and fairness metrics for ethical AI evaluation.
- Blockchain Developer Intern**
Independent / Research Internship Jun 2023 – Aug 2023
 - Built and deployed smart contracts using **Solidity** on Polygon testnet, integrating wallet functions via **Web3.js** and **MetaMask**.
 - Created NFT minting and trading workflows (Web3.js, IPFS, MetaMask integration) on Polygon.
 - Explored Ethereum and Layer 2 scaling solutions for cost-efficient deployment.

PROJECTS

- Akagami – Pentesting Toolkit** 2024
FastAPI, React, Docker 
 - Developed modular pentesting toolkit to detect XSS, SQLi, SSRF, and IDOR vulnerabilities; reduced manual triage time by 40%.
 - Implemented microservice-based CLI/GUI for scalable security testing and CI/CD integration.
- DigiCats – Blockchain NFT Game** 2023
Solidity, React, Web3.js, Polygon 
 - Designed secure NFT breeding game; integrated staking, rarity rewards, and marketplace trading.
 - Performed contract validation on Polygon testnet to ensure secure transaction execution.
- People.ai** 2024
Python, scikit-learn, pandas 
 - Created ML pipeline for educator resume ranking; reduced manual screening time by 35%.
 - Deployed REST API and dashboard for real-time candidate scoring visualization.

SKILLS

Security Tools: Burp Suite, Nmap, Metasploit, Wireshark, AWS Security Hub, Slither
Cloud & Infrastructure: AWS (IAM, S3 Hardening, CIS Benchmarks), Docker, Linux
Programming & Scripting: Python (automation), PowerShell, Solidity, Bash, **MCP (Model Context Protocol)**
AI & Automation: **AI Agents**, LLM-based automation, prompt engineering, data pipelines
Areas of Focus: Web App Security, API Security, Mobile Security, SOC Fundamentals, Threat Modelling

CERTIFICATIONS

- IBM Cybersecurity Analyst Professional Certificate — IBM / Coursera (2024)
- Palo Alto Networks — Network Security Fundamentals (2023)
- Red Hat — Fundamentals of RHEL (2023)
- Certified Cyber Warrior — Hackingflix (2024)
- Introduction to Cybersecurity Tools & Cyberattacks — Coursera (2023)
- Introduction to IoT — NPTEL (2022)

EDUCATION

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| • Model Institute of Engineering & Technology
<i>B.E. in Computer Science (CGPA: 8.1/10)</i> | <i>Jammu, India</i>
2021 – 2025 |
| • Model Academy
<i>Senior Secondary</i> | <i>Jammu, India</i>
2020 – 2021 |

AWARDS & ACHIEVEMENTS

- Finalist — **IEEE YESIST12 2024 (Project: People.ai)**, selected among global finalists in Tunisia.
- Spot Award — **Paytm**, for excellence in DLP rule auditing and enhancing data security posture.