

# Sukhwinder Singh

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## EDUCATION

**Purdue University - West Lafayette**  
*Bachelor's, CyberSecurity*

**August 2023 - May 2026**  
*GPA: 3.66*

## PROFESSIONAL EXPERIENCE

### 2020 Companies

*IT Systems Intern (META)*

**Carmel, IN, USA**

*October 2025 - Present*

- Assisted in maintaining and troubleshooting Meta's IT systems, also ensuring secure operation of hardware, software, and connected devices.
- Supported vulnerability remediation by identifying technical issues, applying updates, and monitoring for potential system risks.
- Utilized Salesforce and internal tools to document incidents, track performance metrics, and improve technical workflows.
- Delivered technical demonstrations and product briefings, communicating complex concepts clearly to non-technical audiences.

### Lamme KPM Express INC

*Vulnerability Analyst Intern*

**Indianapolis, IN, USA**

*October 2024 - September 2025*

- Conducted vulnerability assessments across network and system infrastructure, identifying and securing security weaknesses.
- Collaborated with IT staff to implement patch management and configuration hardening, reducing vulnerability to potential exploits.
- Monitored systems and analyzed security alerts, escalating issues and documenting incident response actions.
- Supported business operations by managing secure databases, communication systems, and cloud environments.

### Tata Technologies

*Cybersecurity Security Analyst Simulation*

**Indianapolis, IN, USA**

*January 2023 - September 2024*

- Worked with a cybersecurity consulting team to finish a job simulation for Tata Consultancy Services that involved identity and access management.
- Gained knowledge of cybersecurity best practices, IAM principles, and strategic connections with company goals.
- Presented and provided documentation, demonstrating the capacity to explain difficult technical ideas.

## PROJECTS & OUTSIDE EXPERIENCE

### Adversary Emulation with Atomic Red Team

*December 2024 - March 2025*

- Detected activity using Snort and analyzed logs for suspicious activity
- Set up an attack using the Atomic Red Team Framework on Ubuntu and emulate MITRE ATT&CK tactics.
- Created an incident response plan to contain and recover from simulated threats. Applied firewall configuration and patch management.

### Purdue Eng. Data Scraper (Honors)

*May 2025 - August 2025*

- Created a python script that automates collection of faculty information from the Purdue directory.
- Implemented web scraping with Requests and BeautifulSoup; stored data into CSV for analysis and reporting.
- Presented the project in the Honors course showcase, combining Python based automation with strong communication skills.

### Cyber Threat Intelligence Investigation

*January 2025 - May 2025*

- Immersed in a fast paced cyber threat hunting challenge as a CTI Analyst in an attack scenario.
- Used WHOIS, DNS Enumeration, and IP Attribution to trace threat actors.
- Performed malware analysis to extract IOCs and support incident response efforts and delivered a detailed Threat Actor report

## VOLUNTEER EXPERIENCE

### Honors Peer Mentor - IUPUI

- Mentored first-year Honors students, offering guidance on academic success, time management, and campus involvement.
- Facilitated group discussions and community building events to promote engagement within the Honors College.

## CERTIFICATIONS

**CompTIA Security+ (In Progress)** — Expected Completion: 2025.

*US National*

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## SKILLS

**Skills:** TCP/IP, DHCP, Snort, Firewall, Pfsense, Kali Linux, Wireshark, Packet analysis, window servers, Ubuntu, CentOS, Bash/Powershell, Detection System, Splunk, Nmap, OpenVas, Hashing, Encryption, Python, SQL, ATT&CK Technique, MITRE Attack, Python, Active Directory, Java, HTML/CSS, MATLAB