

Contact

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Top Skills

Threat Detection & Response
Incident Response
Vulnerability Management

Certifications

CompTIA Cybersecurity Analyst
(CySA+)
Cisco Certified Network Associate
(CCNA)
Google AI Essentials
Introduction to Computer Information
Systems Specialization

Vijaysingh Puwar

Cybersecurity Engineer | Ethical Hacking | Cloud, Network &
Application Security | Security+| CCNA | CySA+| PYTHON | SIEM
|#M.S.#Cybersecurity
New York City Metropolitan Area

Summary

I am a Cybersecurity Engineer focused on shielding organizations from digital threats. My expertise includes network security, incident response, penetration testing, and cloud security. I also have experience with threat analysis and meeting standards like NIST, ISO 27001, and SOC 2.

Over the years, I've achieved:

- Configuring and hardening 50+ systems using firewalls, endpoint protection, and secure baselines.
- Writing Python and PowerShell scripts to automate log analysis, Splunk alert enrichment, and account audits.
- Supporting SOC monitoring by building detection rules and performing threat hunting on live data.
- Implementing IAM best practices including MFA, GPO hardening, and access lifecycle reviews.

Technical Skills:

- Programming & Scripting: Python, Bash
- Security Operations & Incident Response: SIEM (Splunk), SOC monitoring
- Cloud Security: AWS, Azure, Google Cloud (IAM, MFA, encryption)
- Penetration Testing Tools: Wireshark, Metasploit, Burp Suite, Nmap
- Version Control & Automation: Git, Jenkins, Docker

Beyond professional work, I attend cybersecurity conferences and Capture the Flag (CTF) events. I also contribute to open-source security tools and mentor new engineers on best practices. My goal is to keep security clear, simple, and accessible so everyone can coordinate seamlessly.

I'm always eager to explore new strategies for defending against cyberattacks and fostering safer digital environments. If you'd like to connect or have questions, please reach out at vpumar925@gmail.com. I look forward to discussing how we can strengthen security for your organization.

Experience

R. S. Infotech

System Engineer

February 2023 - August 2024 (1 year 7 months)

- IT Infrastructure & Network Administration:

- Managed and secured 150+ enterprise IT systems, ensuring high availability and adherence to cybersecurity best practices
- Implemented advanced security protocols, firewalls, and intrusion detection systems (IDS/IPS), reducing breaches by 20% and improving overall system efficiency.

- Troubleshooting & Automation:

- Performed Active Directory hygiene: enforced password/lockout/MFA via GPO, standardized OU & group structure, audited privileged groups, and used ADUC/GPMC/Event Viewer—and where needed, PowerShell (Get-ADUser, Search-ADAccount, lastLogonTimestamp)—to identify and disable inactive accounts (>90 days) and remediate stale objects.
- Engineered Python automation scripts for log analysis, uptime monitoring, and configuration management, cutting manual workloads and accelerating incident response.

- Cloud Security & Deployment:

- Deployed AWS Cloud projects (IAM, VPC, EC2, S3) with encryption, least-privilege access, and monitoring to strengthen cloud security posture.

- Network Optimization & Reliability:

- Deployed scalable IT solutions, leading software upgrades, network optimizations, and security enhancements, resulting in a 15% increase in network speed and 30% reduction in downtime.

- Threat Detection & Support:

- Collaborated with cross-functional teams to implement firewall policies, VPN security, and SIEM solutions, reducing false positives in threat detection and reinforcing enterprise-wide defenses.

L&T-Sargent & Lundy Limited

Systems Intern

January 2023 - April 2023 (4 months)

Vadodara, Gujarat, India

- HVAC System Design & Optimization:

- Coordinated the design and improvement of HVAC systems for power plants, achieving 100% adherence to ASHRAE standards.
- Streamlined airflow management to stabilize temperature and cut operational costs by 10%.

- Heat Load Analysis & Duct Layout:

- Performed detailed heat load calculations for critical infrastructure, enhancing thermal efficiency.
- Engineered duct layouts to balance airflow, reducing total energy use by approximately 15%.

- Diagram Development & Compliance:

- Facilitated creation of Process Flow Diagrams (PFDs) and Piping & Instrumentation Diagrams (P&IDs).
- Ensured alignment with regulatory guidelines, increasing plant safety and performance levels.

- Ventilation System Evaluation:

- Analyzed both wet and dry ventilation processes, influencing design strategies to improve air quality.
- Lowered environmental risks by implementing targeted ventilation optimizations.

- Energy Efficiency Initiatives:

- Partnered with senior engineers to elevate HVAC sustainability measures.
- Reduced power consumption by refining system layouts, delivering measurable cost savings.

Skills Gained & Impact:

- Strengthened expertise in thermodynamics, heat load calculations, and HVAC design
- Advanced knowledge of ASHRAE standards and regulatory compliance
- Hands-on experience with engineering software for airflow and system analysis
- Improved energy efficiency

Elecon Engineering Company

Design Intern

June 2022 - July 2022 (2 months)

Anand, Gujarat, India

- Gear Manufacturing Lifecycle:

- Facilitated end-to-end gear production, achieving 100% adherence to project specifications.
- Guided the transition from initial design to final assembly, ensuring consistent quality output.

- CAD Design & Collaboration:

- Influenced high-precision gear modeling and design reviews using advanced CAD tools.
- Upheld strict tolerances to meet engineering and performance requirements.

- Bill of Materials & Specifications Management:

- Managed the Bill of Materials throughout the production cycle, ensuring accurate records.
- Monitored design standards and quality checks, streamlining manufacturing workflows.

- Precision Manufacturing Techniques:

- Gained expertise in heat treatment, machining processes, and quality assurance.
- Strengthened knowledge of high-precision gear manufacturing and inspection methods.

- Total Quality Management (TQM) & Workflow Enhancement:

- Applied TQM principles to optimize efficiency and reduce material waste.
- Introduced effective store management practices, promoting continuous improvement.

- Structured Assembly Process:

- Managed gear assembly on production lines, verifying correct integration at each stage.
- Ensured full functionality of gear systems by aligning design intent with assembly procedures.

Skills Gained & Impact:

- Mastered mechanical design, CAD modeling, and Bill of Materials coordination
- Advanced understanding of manufacturing workflows, quality control, and gear assembly
- Leveraged TQM strategies to increase production speed and minimize defects
- Acquired substantial mechanical engineering experience, producing high-quality outcomes

Education

Pace University - Seidenberg School of Computer Science and Information Systems

Master of Science - MS, Computer And Information System Security · (January 2025 - December 2026)

G H Patel College of Engineering & Technology

Bachelor of Engineering - BE, Mechanical Engineering/Mechanical Technology/Technician · (April 2019 - January 2024)