

# SUSHANK YERVA

## MENG CYBER SECURITY

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### PROFILE

Detail-oriented and security-driven Meng Cybersecurity graduate with strong foundations in cyber security, network defence, and systems monitoring. Experienced in Python scripting, Linux administration, and cloud environments such as AWS, with a working knowledge of firewalls, SIEM tools, and incident analysis. Skilled in interpreting network traffic, identifying vulnerabilities, and applying analytical thinking to resolve threats effectively. Known for clear communication, teamwork, and composure under pressure.

**Availability & Visa Information:** Currently on Stamp 1G. Eligible to work full time without requiring a work permit for 2 years.

### TECHNOLOGY SKILLS

- Security & Monitoring:** Familiar with Security Information and Event Management (SIEM) tools, log analysis, endpoint detection and response (EDR), phishing analysis, and malware indicators.
- Networking:** TCP/IP protocols, DNS, DHCP, VPN, VLAN, Subnetting, and OSI layers; exposure to firewall configuration and packet capture tools (Wireshark, tcpdump).
- Operating Systems:** Hands-on experience with Windows and Linux environments, including command-line administration, permissions, SSH, SCP, cron, and log management.
- Cloud & Infrastructure:** Familiar with AWS security and identity services (IAM, CloudTrail, GuardDuty); basic understanding of virtualized and containerized environments.
- Programming & Scripting:** Proficient in Python for automation, data parsing, and incident correlation; exposure to Shell scripting and SQL for log or event queries.
- Tools & Platforms:** Wireshark, Splunk, AWS Console, Burp Suite, Metasploit, Nmap, Git, Jupyter Notebooks, and basic use of version control and collaboration platforms (GitHub, Jira).

### CERTIFICATIONS

- ISC2 Certified in Cybersecurity (CC) - course completion.
- Certified Ethical Hacker (C|EH) by EC-Council - certificate of attendance.
- Microsoft Security Essentials Professional Certificate by Microsoft and LinkedIn.
- CompTIA Security+ Professional Certification – ongoing.

### EDUCATION

09/2024-08/2025 | University of Limerick

Master of Engineering in Cyber Security

**Modules:** Cryptography & Security Fundamentals, Cryptographic Mathematics, Multimedia Communications, C++ Programming, Software Engineering, Data Forensics, Biometrics, Communication & Security Protocols, Network & Host Security, Master's Project.

**Grade:** First Class Honours

09/2016-08/2020 | Visvesvaraya Technological University

BE in Electronics and Communications

**Grade:** Second Class Honours

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## PROJECTS

- **GUI - based application to recovery cryptocurrency wallet secret key** - A light-weight GUI application created to support my research on recovery of cryptocurrency wallet seed phrase as part of my Master's project.
  - **Key Establishment protocol using Python** - a key establishment protocol that will allow a Mutually Agreed Session key to be established between three entities A, B and C. This key can then be used to secure a chat between the entities ensuring Confidentiality, Integrity, Availability and Non-Repudiation.
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## WORK EXPERIENCE

**09/2025-Present | University of Limerick | PDSL Moderator** Limerick, Ireland.

- Coordinated with tutors to streamline academic delivery and ensure timely communication across postgraduate classes.
- Managed over 100 course materials and announcements on VLE and Microsoft Teams, improving student access and engagement.
- Facilitated interactive sessions by creating breakout groups, tracking attendance, and organizing collaborative notes for future reference.
- Resolved 95% of real-time technical and AV issues independently, minimizing session downtime and improving teaching efficiency.

**04/2024-06/2024 | Center for Cyber Security Studies and Research | Intern** Ballari, Karnataka, India.

- Monitored and analysed over 1,000 security alerts using SIEM tools, identifying and escalating verified incidents with accuracy.
- Supported incident response by investigating threats across Linux, AWS, and endpoint systems, reducing false positives by 20%.
- Automated log parsing and threat analysis workflows using Python and Bash, cutting manual review time by 30%.
- Collaborated with IT teams to enhance monitoring and documentation processes, strengthening system resilience against evolving cyber threats.

**01/2021-04/2023 | L&T Technology Services | Test Automation Engineer** Mysore, Karnataka, India.

- Developed and maintained automated test scripts using C# and Fit-White, increasing regression coverage by 80%.
- Built an automation framework that reduced manual testing time by 90%, improving team productivity and release speed.
- Executed test plans under agile sprints, helping deliver 12+ software builds on schedule.
- Collaborated with developers and QA teams to ensure all test requirements and acceptance criteria were met before deployment.

**09/2020-12/2020 | L&T Technology Services | Intern** Mysore, Karnataka, India.

- Applied test automation principles using Selenium and Java during a live workshop, enhancing understanding of UI and functional testing frameworks.
  - Developed responsive web interfaces using HTML, CSS, and JavaScript as part of hands-on web development training.
  - Programmed embedded systems in C using STM32 microprocessor boards, implementing and debugging real-time control functions.
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## INTERESTS AND ACHIEVEMENTS

- Sports: State-level cricket player and regional-level basketball player, with consistent participation in inter-college tournaments. Active member of the University Archery Club, and an avid chess.
- Cybersecurity Awareness: Actively contributed to the "Make India Cyber Safe" initiative, conducting awareness sessions to educate individuals about online threats, phishing, and data privacy. Passionate about promoting digital safety and responsible internet practices.