

YOGENDER

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SUMMARY

Driven Network and Cybersecurity Professional recognised for combining strong technical foundations with adaptability and problem-solving under pressure. Experienced through internships, research, and hackathon wins, where I delivered practical solutions to real-world challenges. Known for clear communication, collaborative teamwork, and a continuous learning mindset that allows me to bridge networking and security with confidence. Excited to grow further and contribute fresh ideas and technical depth across graduate programs, internships, and entry-level roles in IT, networking, and cybersecurity.

CORE SKILLS

- **Network design & implementation:** Switching, VLANs, routing (BGP/OSPF), VPNs, NAT, DHCP, QoS, IP/MPLS, Multicast, HSRP, REST APIs
 - **Cybersecurity & compliance:** Threat Intelligence, Incident Response, ISO27001, Essential Eight, MITRE ATT&CK, Phishing Analysis, Digital Forensics, Cryptography, Identity & Access Management
 - **Scripting & Automation:** Python, Shell Scripting (Bash), SQL, Next.js, React
 - **Software & Tools:** Cisco IOS, Juniper Mist, Wireshark, Nessus, ServiceNow, NetFlow, SNMP, MS Office 365, Visio, PowerPoint, Canva, Figma, Miro, SIEM
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RELEVANT EXPERIENCE

Web Technology Manager (Volunteer), Western Suburbs CC, Perth Sep 2025 - Present

- Administering and updating the club website with news, events, and announcements.
- Managing user access, registrations, and member information.
- Supporting event organisation by ensuring schedules, results, and details are published online.
- Providing technical support for the committee and members when needed.
- Helping strengthen community engagement through effective digital communication.

Network Engineer (Equinix Data Centre, Perth) Temp. Apr 2025 - May 2025

- Contributed to an access point replacement project, assisting with deployment schedules, site coordination, and documentation.
- Supported the rollout of new access points, helping deliver reliable connectivity and improved performance with minimal disruption.
- Assisted in coordinating a four-person team by tracking tasks, progress, and documentation during migration.

Cybersecurity Intern (Trojan Hunt India, Delhi) Nov 2024 - Mar 2025

- Gained foundational exposure to ISO 27001-aligned security practices, including how organisations structure policies, conduct gap assessments, and align with compliance standards.
- Built practical familiarity with threat detection and log analysis using CrowdStrike Falcon and Elastic Stack.
- Maintained clear and organised technical records while building strong communication skills in team settings.

Python Tutor & Robotics Mentor (Private) Sep 2024 - Present

- Mentored a RoboCup Junior competitor on Python programming and algorithm design for the Mighty Maisy Maze competition.
- Taught maze-solving strategies, sensor-based navigation and real-time obstacle avoidance using EV3/Spike Prime platforms.

EDUCATION

Master of Information Technology

Feb 2023 - Dec 2024

Murdoch University

- Major in Cybersecurity and Networking
- Research in IoT devices security using Machine Learning
- GPA 3.3/4

Bachelor of Science (Honours)

Jul 2019 - Jul 2022

University of Delhi

- Major in Mathematics
- Minor in Physics
- GPA 8.3/10

ACS Professional Year (ICT)

Feb 2025 - Feb 2026

National Institute of Technology

- Professional workplace communication
- IT business practices and ethics
- Industry readiness & project experience in Australian ICT sector

AWARDS AND CERTIFICATIONS

- Certified Network Associate Routing & Switching (CCNA)- Routing & Switching and Security
- Cisco Certified Network Professional (CCNP)- ENCOR & ENARSI
- CompTIA Security Plus (SYO-701)
- Blue Team Level 1
- First Place - WeMoney Financial Wellness AI Hackathon, WeMoney x Venture UWA
- First Place - New Light Hackathon, December 2024, Curtin University (Hosted by ComSSA)
- First Place - Case Night for Future Engineers, May 2025, UWA (Hosted by Venture X Enitiate)
- First Place - The Great Forensic Hunt, Sep 2025, Curtin University (Hosted by CCSC)
- Global Excellence Scholarship & International Postgraduate Student Scholarship (2023)
- Academic Excellence Award - University of Delhi

PROJECTS

Enhancing IoT Device Security through Lightweight Machine Learning Techniques

- Engineered and evaluated multiple ML models on benchmark IoT datasets, achieving robust detection of complex attack types with >88% accuracy.
- Optimised ML pipelines using feature selection (RFE, PCA, Chi-Square) and model compression (quantisation, pruning, weight sharing), cutting model size and memory usage by up to 48% while preserving predictive performance.
- Validated lightweight ML deployments on constrained hardware (Raspberry Pi), demonstrating the practicality of anomaly detection and IoT security solutions in real-world environments.

Cybersecurity Log Analysis & Threat Detection

- Developed a Bash script to automate log analysis on UNIX systems; flagged unauthorised file access, unusual network behaviour and breach indicators.
- Automated incident report generation, improving response efficiency and reducing manual analysis time.

One Piece Themed Interactive Portfolio Website

- Developed a responsive multi-section portfolio website using Next.js with modular components for scalability and maintainability.
- Implemented dynamic navigation with Tailwind CSS and Framer Motion, creating smooth transitions and an engaging user interface.

REFEREE

- Dr. Sebastian Zander, Senior Lecturer, Murdoch University, s.zander@murdoch.edu.au, 0405307234
- Gaurav Gahlaut, Data & Systems, Water Corporation, Gaurav.Gahlaut@watercorporation.com, 0472867908
- Amit Godara, Principal Network Engineer BHP, amit.godara@bhp.com, 0405406696