

YOGENDER

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SUMMARY

Recent IT graduate passionate about computer networks, cloud infrastructure, and automation. Skilled in configuring and troubleshooting VLANs, OSPF, BGP, VPNs, and load balancing, with strong knowledge of Cisco networking and network security principles. Certified in CCNA and CCNP and actively expanding expertise in AWS cloud networking and infrastructure automation using Python, Bash, and Ansible. Known for curiosity, problem-solving ability, and commitment to learning scalable, reliable network design from the ground up.

CORE SKILLS

- **AI and Machine Learning:** Generative AI (OpenAI, LangChain), ML model building and tuning, data preprocessing, model evaluation, and lightweight deployment and automation.
- **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, Ansible
- **Software & Tools:** Cisco IOS, Juniper Mist, Wireshark, Nessus, ServiceNow, NetFlow, SNMP, MS Office 365, Canva, Figma, SIEM, Linux/Unix System

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 Linux tools, 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

Network Infrastructure Design and Optimization

- Designed and configured a hierarchical network using VLANs, EtherChannel, and OSPF/BGP for secure, scalable, and efficient communication across departments.
- Implemented load balancing and HSRP failover to ensure redundancy, high availability, and optimised traffic distribution.
- Applied network security measures such as port security, ACLs, and RADIUS authentication to safeguard user access and maintain data integrity.

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 on Raspberry Pi 4.

BlueSentinel – AI-Powered Log Anomaly Detection

- Designed and implemented an AI system to detect anomalies in security logs.
- Used Python and machine learning to flag suspicious activities linked to MITRE ATT&CK techniques.
- Focused on explainable AI outputs to support responsible and transparent threat detection.

REFEREE

- Dr. Sebastian Zander, Senior Lecturer, Murdoch University, s.zander@murdoch.edu.au, 0405307234
- Barrani Narayanann, AWS, 0470202854
- Amit Godara, Principal Network Engineer BHP, amit.godara@bhp.com, 0405406696