

Irfan Ahmad

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Professional Summary

Network and Cybersecurity Engineer with hands-on experience in network architecture, vulnerability mitigation, and secure system deployment. Experienced in configuring self-hosted environments, managing IT infrastructure, and live network incident response.

Education

Bachelor of Technology (B.Tech), Computer Science (IT-Cyber Security)

Garden City University, Bangalore, India • Jun 2026

- **CGPA:** 9.07 / 10.0 (First Class with Distinction) | **Final Semester SGPA:** 10.0
- **Specialized Coursework:** Vulnerability Assessment & Penetration Testing (VAPT), Security Information & Event Management (SIEM), Cryptography & Network Security, Cloud Computing, Threat Hunting.
- **Capstone Project:** Engineered an enterprise-grade multi-outlet Point-of-Sale (POS) architecture with integrated security measures including RBAC and IdAM.

Professional Experience

Sonet Integrated Solutions (Titan Company Ltd.), Bangalore

Network & Security Infrastructure Consultant (Contract) | Jan 2026 – Jun 2026

- Engineered a 168-node enterprise IP CCTV network, enforcing strict subnet isolation and VLAN segmentation to prevent edge-device compromise.
- Acted as primary incident responder for a campus-wide Layer 2 broadcast storm (internal DoS); rapidly diagnosed the edge loop, isolated compromised nodes, and restored 100% network availability.
- Executed complete Layer 1 physical infrastructure buildout (OFC laying, precision splicing, server room setup) and re-architected the network into a Hub-and-Spoke model, actively mitigating STP vulnerabilities.

CtrlWeb

Founder & Infrastructure Lead | Jun 2024 – Present

- Consulted directly with commercial SME clients to translate business requirements into secure technical specifications, directing the full-cycle deployment and hosting architecture of database-driven applications and corporate web platforms for clients.

- Deployed and administered self-hosted n8n automation infrastructure on Linux environments, architecting secure, webhook-driven workflows to automate cross-platform data transactions without exposing system endpoints.

E&P International Ventures

Infrastructure Engineer | Nov 2024 – Sep 2025

- Architected and deployed the comprehensive IT and network infrastructure for a new 13-outlet commercial campus in Shoolagiri and several distributed franchised outlets.
- Evaluated, selected, and integrated the complete technology stack across the campus, including specialized Point-of-Sale (POS) systems.
- Led the end-to-end development and deployment of the corporate website and managed ongoing IT initiatives.

Basik Marketing Pvt. Ltd.

System & Network Security Admin Intern | Jul 2024 – Oct 2024

- *Managed core network infrastructure uptime and performance against threats, actively deploying backup link failover routing during critical power disruptions to eliminate dropped packets on live streams.*
- *Documented corporate IT systems and created comprehensive network diagrams to optimize the internal knowledge base.*

Technical Skills

- **Security & Access Control:** Identity & Access Management, Role-Based Access Control, IDS, DDoS Mitigation, WebApp Security (SQLi, XSS, CSRF mitigation), Vulnerability Management.
- **Networking & Infrastructure:** Linux System Administration, VLAN Segmentation, TCP/IP networking, DHCP, DNS, VPN Architecture, Server Provisioning & Hardening.
- **Automation & Operations:** Docker, CI/CD Pipelines, n8n Workflow Automation, Mail Server Configuration (Sendmail).
- **Scripting & Languages:** Python, JavaScript, Bash

Certifications

- **Professional Certificates**
 - Microsoft Cybersecurity Analyst Professional Certificate
 - Google IT Support Professional Certificate
 - Google Project Management Professional Certificate
 - Google IT Automation with Python Professional Certificate
- **Industry & Technical Certifications**
 - Cisco Certified Network Associate (CCNA)
 - Usable Security (University of Maryland)
 - Strategic Management (Copenhagen Business School)
 - Cyber Threat Hunting (Infosec) & Threat Investigation (Cisco)
 - PortSwigger Web Security Academy – Core Labs Completed