

Aswin D

Bangalore, India

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Skills

- **Cybersecurity Basics:** Web-Application Testing, Network-Penetration Testing, Networking concepts
- **Tools:** Burp Suite, OWASP Zap, SQLMap, Nessus, Wireshark, Nmap, Kali Linux, Jsfscanner, Hashcat, Nikto
- **Programming languages:** Python, SQL, C++
- **Soft skills:** Communication, Team Collaboration, Analytical reasoning, Results-focused mindset

Experience

IT Intern at WFS

November 2025 - Present

- Configured and deployed 30 Windows-based workstations, including IP assignment and peripheral setup.
- Conducted a workshop on AI tools for 20+ staff members, enhancing digital literacy and tool adoption.
- Developed an IoT-based attendance monitoring system to streamline participant tracking.
- Implemented a machine learning-powered Intrusion Detection System using OPNsense for network security.

Cyber Intern at Kerala Police Academy

July 2025 - October 2025

- Configured and deployed 30 Windows-based workstations, including IP assignment and peripheral setup.
- Conducted a workshop on AI tools for 20+ staff members, enhancing digital literacy and tool adoption.
- Developed an IoT-based attendance monitoring system to streamline participant tracking.
- Implemented a machine learning-powered Intrusion Detection System using OPNsense for network security.

Omni Sports Leader Decathlon Bangalore

April 2024 - June 2024

- Drove a 15% sales increase through daily customer engagement and tailored recommendations.
- Increased inventory turnover by 20% through preemptive stock analysis and strategic restocking.
- Boosted customer satisfaction scores by 25% via consistent support and fast issue resolution.
- Enhanced communication and teamwork in a high-volume retail setting.

Projects

Smart Attendance System (RFID + Face Verification) — Prototype

Link October 2025

- Built an IoT-based attendance solution for SI cadet lectures at KEPA Thrissur using ESP8266, RFID RC522, and a system camera: RFID tap triggers real-time image capture and face verification against stored profiles to auto-mark attendance.
- Implemented red-flagging for mismatches and an admin dashboard for image review and audit trails; project approved by the Academy Director and progressing from prototype to full deployment.

Wifi Deauther and Evil-Twin using ESP32

Link May 2025

- Designed as part of a cyber awareness initiative, this Wi-Fi security tool performs deauthentication and Evil Twin attacks to expose common wireless vulnerabilities. This Wi-Fi security tool performs real-time deauthentication and deploys a cloned AP to capture and verify credentials against the original network. It runs both attacks simultaneously without mode switching, enabling continuous execution and effective vulnerability demonstrations.

Fire Fighting Robot – IoT Automation Project

Link Augest 2023

- Developed an autonomous fire-fighting robot using Arduino Uno, integrating 3 flame sensors, a DC pump motor, and embedded control logic, achieving 90% accuracy in detecting and extinguishing fire sources.

Publications

Defending Cyberspace: How to Defend Against AI-based Cyber Attacks
Aswin D, Jesvin Saji, Aaryan R. Nath, S. Ramya
[View Paper](#)

January 2025

Achievement

Football – University Team

- Represented the university in 2 South Zone Inter-University Tournaments and captained the team in 6 tournaments, demonstrating leadership, teamwork, and resilience under pressure.

Research Paper Presentation – Garden City University

June 2024

- Presented the paper “*Defending Cyberspace: How to Defend Against AI-based Cyber Attacks*” at an International conference and secured **2nd place among 6 teams**.

Engineering Skill Show – Garden City University

May 2023

- Secured 2nd place out of 10+ participants for demonstrating innovative engineering solutions.

Technical Presentation – Garden City University

May 2023

- Delivered a technical presentation on ‘Filter Design using NI Multisim’ in electrical engineering labs, effectively showcasing both technical knowledge and articulate information delivery.

Education

Garden City University, Bengaluru

2022 - Expected 2026

Bachelor of Technology, Computer Science & Engineering (Cybersecurity)

SVMMVHSS Vendar, Kerala

2020 - 2022

Class 12,

Courses: Mathematics, English, Computer Science, Physics, Chemistry

Certifications

- CCNA: Switching, Routing, and Wireless Essentials: Cisco Networking Academy** May 2025
- CCNA: Introduction to Networks: Cisco Networking Academy** May 2025
- ISC2 CC** April 2025
- Scrum Certification + Scrum Master + Agile Scrum Training: EC-Council** March 2025
- Junior Cybersecurity Analyst: Cisco Networking Academy** December 2024
- Introduction to Cybersecurity: Cisco Networking Academy** October 2024