

Irfan Ahmad

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Professional Summary

A proactive and entrepreneurial 4th-year Computer Science student with a specialization in Cyber Security. Proven experience as a Co-Founder & CTO and System Administrator, leading the development and deployment of full-stack web solutions, IT infrastructure, and custom software. Expertise in secure system design, Linux server management, containerization with Docker, and DevOps automation. A fluent multilingual communicator, proficient in seven languages including English, Hindi, and Malayalam, enhancing collaboration in diverse team environments. Eager to apply a comprehensive skill set in threat analysis, network hardening, and security automation to a **full-time cybersecurity role**.

Education

Bachelor of Technology (B.Tech), Computer Science (IT - Cyber Security) • Expected July 2026 *Garden City University, Bangalore, India*

- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Cryptography and Network Security, Ethical Hacking, Advanced Networking, Advanced Python, Mobile App Development, Data Analytics, Security Information and Event Management.

Professional Experience

Co-Founder & CTO • CtrlWeb • Jun 2024 – Present

- Spearheaded the founding and scaling of an end-to-end IT consultancy, delivering a portfolio of web, software and infrastructure solutions to a diverse client base of SMEs.
- Consulted directly with clients to translate business requirements into technical specifications, leading the full-cycle development of e-commerce platforms (Wix, WooCommerce) and custom websites for Pioneer Ceilings (pioneerceilings.com), Royal Wood Furniture (royalwoodfurniture.com) and several others.
- Engineered a bespoke, multi-outlet Point-of-Sale (POS) system from the ground up using PHP/JS and Git, delivering features like modular receipt generation (KOT) that improved client operational efficiency.
- Implemented/administered self-hosted n8n automation servers on Linux, architecting custom workflows that streamlined critical business processes for multiple clients.

E&P International Ventures • Nov 2024 – Sep 2025

DevOps & IT Lead (Mar 2025 – Sep 2025)

- Spearheaded the company's DevOps strategy, engineering and managing CI/CD pipelines that automated the build, testing, and deployment of all web applications.
- Led the end-to-end development and deployment of all new IT initiatives, including custom modifications to the point-of-sale software and internal tools.
- Assumed ownership of the entire IT infrastructure, making strategic decisions on hosting, security, and scalability to support business growth.

System & Network Administrator (Oct 2024 – Feb 2025)

- Administered Linux servers and a portfolio of over 25 websites on Hostinger shared hosting, handling all aspects of deployment, maintenance, and security.
- Served as the primary point of contact for company-wide tech support and managed all IT-related operations, including social media account administration.
- Managed containerized applications and workflows using Docker, enhancing deployment efficiency for various projects.

System and Network Security Administrator Intern • Basik Marketing Pvt. Ltd. • Jul 2024 – Oct 2024

- Assisted in securing and monitoring core network infrastructure, ensuring uptime, performance, and integrity against threats.
- Contributed to the configuration and security hardening and vulnerability management of Linux servers, applying best practices to mitigate potential risks.
- Provided Tier 1 technical support for hardware and software issues, resolving user tickets in a timely manner.
- Helped document IT systems and create network diagrams to improve the internal knowledge base.

Technical Skills

- **Security & Pentesting:** Microsoft Certified Cybersecurity Analyst, PortSwigger Web Security Core Labs (SQLi, XSS, CSRF), Wazuh IDS, DDoS Mitigation, Role-Based Access Control (RBAC), IdAM.
- **Networking & Infrastructure:** Cisco CCNA Certified, Linux System Administration, TCP/IP, VLAN, DHCP, DNS, VPN Setup & Troubleshooting, Server Setup & Hardening.
- **DevOps & Automation:** Docker, CI/CD Pipelines, n8n Workflow Automation, Bash Scripting, Sendmail and Mail Server Configuration.
- **Programming & Frameworks:** Python, JavaScript, PHP, C++, CodeIgniter, Laravel, React.
- **Web & CMS:** WordPress (ACF, WooCommerce), Wix Studio, Custom Plugin Development.
- **Mobile Development:** Android Studio Fundamentals, Java/Kotlin.
- **Data Science:** scikit-learn, NLTK, Sentiment Analysis Pipelines.

Key Projects

- **OpenSourcePOS Customization and Contribution:** Spearheaded an end-to-end customization of OpenSourcePOS 3.4.1 for retail and hospitality clients. Engineered modular receipt and KOT templates with dynamic branding, and enforced strict Role-Based Access Control (RBAC) to restrict data access by outlet. Contributed enhancements back to the upstream project through detailed pull requests.
- **Full-Stack E-commerce & Website Development:** Led the design, development, and deployment of multiple client websites from the ground up. Key projects include **pioneerceilings.com** (WordPress/WooCommerce), **royalwoodfurniture.com** and **eandp.in** and several others. Managed all aspects of the project lifecycle, including hosting configuration, theme customization, and SEO optimization.
- **Cyber Kill Chain Case Study:** Conducted an in-depth analysis of a multi-session DDoS attack, mapping the incident to the Cyber Kill Chain framework. Produced a technical report and a beginner-friendly presentation on the findings and mitigation strategies.

Certifications & Achievements

- **POS System Implementation:** Deployed custom POS software in several stores and restaurants across India, increasing operational efficiency through automated transactions, real-time inventory tracking, and detailed sales analytics.
- **Professional Certificates**
 - Microsoft Cybersecurity Analyst Professional Certificate
 - Google IT Support Professional Certificate
 - Google Project Management Professional Certificate
 - Google UX Design 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

For a comprehensive portfolio, project demonstrations, and certificate verification, please visit damha.space.