

AMAN SHAHID

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OBJECTIVE

Highly motivated cyber security student from Dawood University of Engineering & Technology, eager to apply basic knowledge in network principles, system administration, and problem-solving skills to contribute to a dynamic technical team.

EDUCATION

Bachelors of Science in Cybersecurity, Dawood University of Engineering & Technology Expected 2027
GPA: 3.17/4.00

Relevant Coursework: Network Security, Cryptography, Secure Software Development, Information Security Management, Data Communication and Computer Networking.

Intermediate in Pre-Engineering, Government Delhi College 2021 - 2023

CERTIFICATIONS

CCNP (Trainings) Cisco Networking Academy

CCNA (Trainings) Cisco Networking Academy

IBM Cybersecurity Analyst Professional Certificate Coursera

Network Security Cisco Networking Academy

Certified in Cybersecurity ISC2

SKILLS

Technical Skills TCP/IP, VLANs, Routing (OSPF), Switching, Network Protocols, Python (for automation/scripting), Access Control, Encryption, Threat Intelligence, Vulnerability Assessment, Security Auditing

Soft Skills Problem-solving, Analytical Thinking, Troubleshooting, Communication (Written & Verbal), Teamwork, Adaptability, Attention to Detail

Tools & Platforms Wireshark, Nmap, VMware Workstation, VirtualBox, Docker, Git/GitHub, Cisco Packet Tracer, GNS3, Next.js, PostgreSQL, Tailwind CSS

EXPERIENCE

Instructor Aug 2025 - Present
Cisco Networking Academy Karachi, Pakistan

- Actively teaching Cisco networking courses to students, covering fundamental to advanced networking concepts.
- Developing and delivering training programs for industry-recognized Cisco certifications, including CCNA, Network Security, Cybersecurity Essentials and more.
- Mentoring students in hands-on lab exercises, network simulations, and real-world troubleshooting scenarios to build practical skills.

Internship Aug 2024 - Oct 2024
Business IT Solutions, H3C Department Bahadurabad, Karachi

- Assisted the H3C team in configuring and deploying network devices (routers, switches) for client infrastructure projects.

- Participated in troubleshooting network connectivity issues, utilizing diagnostic tools to identify root causes and implement solutions.
- Gained hands-on experience with H3C network operating systems and command-line interfaces for device management and monitoring.

PUBLICATIONS

RSSI-Aided Multi-UAV Localization for Search and Rescue Operations. Authored research paper accepted for publication in ICETI'25 proceedings by Springer Nature. The paper presents novel approaches to unmanned aerial vehicle localization using received signal strength indicators for emergency response applications.

CyberTrend Bulletin - Associate Managing Editor. Serve as Associate Managing Editor for a biannual cybersecurity magazine published on Amazon as an eBook. Author multiple articles covering emerging threats, security trends, and best practices in cybersecurity for each issue.

PROJECTS

Secure Company Network Project. Designed and simulated a robust company network in Cisco Packet Tracer, capable of handling over 600 users. Implemented key networking protocols including OSPF for dynamic routing, LACP for link aggregation, FHRP (HSRP/VRRP) for redundancy, and configured firewalls for enhanced security and access control.

IntelliSIEM. Developed an AI-powered Security Information and Event Management (SIEM) system for real-time threat detection and response. Utilized Convolutional Neural Networks (CNN) and Natural Language Processing (NLP) for advanced anomaly detection, integrating with the Groq API for enhanced analytical capabilities.

PingPanda. Developed a full-stack web application designed for monitoring other SaaS applications, capable of sending real-time alerts via Discord. Built using Next.js for the frontend, Hono.js for the backend API, Tailwind CSS for styling, TypeScript for type safety, and Drizzle ORM with PostgreSQL for data management.

NodeStream. Created a comprehensive YouTube clone with integrated AI enhancements, providing a rich video streaming experience. The application leverages Next.js for server-side rendering, Tailwind CSS for responsive design, TypeScript for robust development, Drizzle ORM for database interactions, Mux for video streaming, and Upstash for real-time data handling.