

TALHA AHMED

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EDUCATION

Purdue University <i>B.S., Cybersecurity – GPA: 3.6/4.0</i> <i>B.S., Computer Infrastructure and Networking Engineering</i>	West Lafayette, IN May 2027 May 2027
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RELEVANT EXPERIENCE

Purdue Information Technology <i>Network Engineering Intern</i>	West Lafayette, IN January 2025 – May 2025
<ul style="list-style-type: none">Configured, deployed, and managed Layer 3 network switches across 160 buildingsResolved customer-submitted tickets and followed up progress reportsDiagnosed and repaired network links by testing physical media and monitoring network performance to improve uptime and reliabilityDocumented telecommunication infrastructure compliance for ISO 9001, 27001, and 20000-1Updated physical network documentation with version control in MicroStationVerified fiber optic connectivity and documented all link status in a centralized database for future network planning	
TechWavz <i>Information Technology Intern</i>	Naperville, IL May 2024 – August 2024
<ul style="list-style-type: none">Managed and resolved 15 FreshDesk tickets per weekWrote documentation for 5 procedures over 10 weeks and presented to supervisor on week 10Communicated updates on knowledge base project to supervisor on a bi-weekly basis	
Live Events and Productions at Purdue <i>Internal Events Committee Chair</i>	West Lafayette, IN April 2024 – May 2025
<ul style="list-style-type: none">Organized multiple industry-speaker events for 20+ students interested in the live event production fieldHosted a skills-based competition, designed rules and score guide, and oversaw the distribution of prizesRecruited over 25 new members and increased membership retention by 50%	

SKILLS

- Docker, Containerization, Proxmox, OSI model, Routing, Fiber Optics, Documentation, Spanning Tree Protocol, Open Shortest Path First, Active Directory, Ubuntu, Wireshark, UNIX Administration, Windows Administration, VMware ESXi, vSphere, Bash Scripting, SQL, Python, Java

PROJECTS

Homelab	Present
<ul style="list-style-type: none">Created a documentation server detailing configuration of every device and service on the networkMigrated 10 services from Proxmox VMs to Docker containers to reduce resource usage by 50% and standardize application environmentsIsolated IoT devices in a separate VLAN and subnet with restricted routing to core network servicesConfigured Ubiquiti EdgeRouter X to support a mix of static and leased IP addressesImplemented a local caching DNS server with a zone file for simplified intranet accessDeployed a Wireguard VPN server and managed distribution of client-side configuration filesTerminated and crimped multiple Cat6 RJ-45 keystone jacks and patch cablesRan all network cabling for modem, router, access point, network switches, and servers	

CERTIFICATIONS

<ul style="list-style-type: none">Cisco Certified Network Associate (Planned)CompTIA A+	October 2025 August 2024
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AWARDS

<ul style="list-style-type: none"><i>Dean's List & Semester Honors – Purdue University</i><i>Eagle Scout Award – Boy Scouts of America</i>	December 2023 - May 2025 June 2023
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