

# Ridwan Sharif

Irving, TX 75062 • (945) 358-5316 • [ridwan.sharif155@gmail.com](mailto:ridwan.sharif155@gmail.com) • [LinkedIn](#) • [GitHub](#) • [WebSite](#)

## PROFESSIONAL SUMMARY

IT Support professional with hands-on experience in server hardware diagnostics, network infrastructure, and PC systems. Currently working as a Server Repair Technician on NVIDIA servers. B.Sc. in Computer Science and Engineering, with a strong foundation in TCP/IP networking, Active Directory, and system troubleshooting. Eager to grow into network engineering and IT infrastructure roles.

## TECHNICAL SKILLS

**IT Support:** Hardware diagnostics, PC assembly & repair, component replacement (RAM, SSD, GPU), cable management, data backup, storage management

**Networking:** TCP/IP, IP addressing, subnetting, DHCP, DNS, static/dynamic routing, RIP, OSPF, Cisco Packet Tracer

**Operating Systems & OS Tools:** Windows 10/11, Windows Server, Active Directory, Linux (command line, file system)

**Tools:** PowerShell, Git/GitHub, VS Code, VMware, MS Office 365, ticketing workflows

**Programming:** Python, C, C++, Java, JavaScript

## WORK EXPERIENCE

**NVIDIA Server Repair Technician** | SMS InfoComm Corporation, Grapevine, TX January 2026 – Present

- Perform root-cause analysis on NVIDIA server units using Linux log inspection and hardware diagnostics, resolving critical system failures to keep production workflows running.
- Execute component-level repairs, including GPU, motherboard/baseboard, and peripheral swaps, following prioritized production schedules.
- Validate repaired units through rack-level testing and multi-cycle performance verification to confirm production readiness before deployment.

**Lab Coordinator – Computer Networking Lab** | Daffodil International University, Bangladesh January 2024 – June 2024

- Led hands-on lab sessions for 20+ students covering IP addressing, subnetting, static/dynamic routing, DHCP, RIP, and OSPF using Cisco Packet Tracer.
- Assisted students in troubleshooting real network configurations, improving pass rates on lab assignments through targeted one-on-one coaching.
- Evaluated and graded student lab work, providing structured technical feedback to close knowledge gaps.

## PROJECTS

**Home Lab Network Server** – Ongoing Personal Infrastructure Project

Linux • Pi-hole • Unbound DNS • Plex • SMB/FTP • VPN • Docker

- Deployed a home lab environment running a DNS caching server (Unbound), Pi-hole ad-blocking, Plex media server, and local file-transfer/backup services on Linux.
- Configured internal DNS resolution, VPN-based remote access, and port forwarding for secure external connectivity.
- Experimenting with network segmentation, container deployment, and automated backups to build real-world infrastructure skills.

**Non-Invasive Blood Pressure Monitoring System** – Final Year Capstone Project

ESP32 • C++ • Python (AI/ML) • JavaScript • MongoDB • Flask API • HTML/CSS

- Built ESP32 firmware to collect heart rate, SpO<sub>2</sub>, and PPG sensor data in real time.
- Developed a backend API in JavaScript with MongoDB for live data logging and hosted an AI model via Flask API, connecting the IoT device to a web dashboard.
- Processed raw PPG signals with Python for AI model training and validation.

## EDUCATION

**B.Sc. in Computer Science and Engineering**

August 2021 – September 2025

Daffodil International University, Bangladesh | CGPA: 3.36 / 4.00

## VOLUNTEERING

**Organizing Secretary – AR/VR & Game Development Lab**

January 2024 – December 2024

- Coordinated member onboarding, event logistics, and technical project oversight for a 30+ member student lab.
- Mentored junior developers and managed cross-functional project timelines.

## ADDITIONAL INFORMATION

**Languages:** English (Fluent), Bengali (Native), Hindi/Urdu (Conversational)

**Eligibility:** Authorized to work in the United States