

Arshdeep Sahota

Computer Engineering Technology student · IT support · Linux & self-hosting

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github.com/Eagle10021

manifest.01blue.org

PROFILE

Dean's List Computer Engineering Technology student with hands-on IT support experience, from Tier 1–2 help desk work to freelance repairs. I build and run my own Linux home server with around 30 self-hosted services, and I enjoy tracking down why something broke and writing down how to fix it.

EXPERIENCE

IT Support Specialist (Co-op)

Prysmian Group · Prescott, ON

- Provided Tier 1 and Tier 2 technical support to internal staff, resolving hardware and software issues.
- Deployed, configured and maintained workstations and peripherals.
- Documented troubleshooting steps and solutions in the internal ticketing system.

Independent IT Support

Freelance · Ottawa & Brockville, ON · 2021 – present

- Diagnose and resolve OS errors, driver conflicts and boot loops on personal workstations.
- Recovered a lost data partition by merging SSD volumes with no data loss.
- Assemble custom PCs, install components and set up home servers and networks.
- Explain technical problems and fixes clearly to non-technical users.

Automotive Service Technician (Co-op)

Thousand Islands Toyota · Brockville, ON · Sept 2022 – Jan 2023

- Used diagnostic software to isolate electrical and sensor faults with a methodical troubleshooting process.
- Kept accurate daily service records and followed strict safety protocols (WHMIS).

Line Cook & Customer Service

BarBurrito · Brockville, ON · Apr 2022 – Aug 2023

- On-site go-to for troubleshooting POS terminals and digital signage during peak hours.
- Fast, accurate order fulfilment, cash and card handling, inventory and restocking.

PROJECTS

Phrolova: Linux multi-service home server

2026 – present

- Ubuntu server running ~30 Docker services (media, photos, wiki, search, monitoring) on 5 TB across three drives.
- Secure remote access over Tailscale (WireGuard); Samba file sharing; Bash monitoring with Discord alerts for downtime and temperature.
- Home Assistant with a local voice assistant ("Fairy") that runs an LLM on my laptop's GPU, with 35+ tools and sensors.

Legion Control and other open-source tools

github.com/Eagle10021

- Python desktop app for a Lenovo Legion's RGB keyboard, battery and power modes, with a Home Assistant link; plus Linux tooling (cursor installer, SDDM theme, BeamNG livery maker).

Network Simulation Labs

Algonquin College · 2025

- Designed business network topologies in Cisco Packet Tracer (static routing, switching) and verified them with traffic analysis.

SKILLS

Systems	Windows 10/11, Linux (Arch, Ubuntu), Docker, Home Assistant, Samba
Networking	TCP/IP, DNS, DHCP, subnetting, port forwarding, Tailscale/WireGuard, SSH, Wireshark, Packet Tracer
Hardware	PC building, diagnostics and repair for desktops and laptops
Programming	Python, Bash, Java, C, MySQL, HTML/CSS/JavaScript
Support	Tier 1–2 support, ticketing, documentation, workstation deployment

EDUCATION

Computer Engineering Technology: Computing Science (Advanced Diploma)

2025 – 2027 (expected)

Algonquin College, Ottawa, ON · Dean's List, Winter 2025

Thousand Islands Secondary School · Specialist High Skills Major (SHSM) in Engineering

Brockville, ON

Certifications: WHMIS (2024) · Class 5 forklift · Electrical safety awareness · Worker health & safety awareness · Customer service certificate