AVINISH BHATTARAI

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LinkedIn Profile

Recent graduate with a strong foundation in cloud architecture and system integration, dedicated to ensuring seamless cloud operations. Proficient in leveraging automation tools to enhance efficiency and improve security measures. Successfully managed cloud resources to optimize performance and reduce costs. Committed to driving innovation and delivering high-quality solutions in dynamic environments.

Education

Computer Engineering Technology – Algonquin College, Ottawa |*December 2025*
Relevant Coursework: Asp.Net Core Applications, Compilers, C++, Java, Numerical Computing, Real Time Programming Systems

Skills

- **Customer support:** Provided effective customer support by resolving technical issues and communicating solutions clearly
- **Network Troubleshooting:** Diagnosed and resolved network connectivity issues including IP and DNS problems
- **Virtualization technologies:** Worked with virtualization technologies to create and manage virtual machines

- **Networking/Protocols:** TCP/IP, LAN/WAN, BGP, IS-IS, MPLS, Segment Routing (SR-MPLS/SRv6), EVPN, IPv4/IPv6
- **Programming & Automation:** Python, C, C++, Bash, Java, SQL, MongoDB, DynamoDB
- **Cloud & Virtualization:** AWS, Azure, Docker, FastAPI, VMware, Linux

Projects

- **Project for Sharkbyte an Ottawa based Comps (Team Lead)** – Led 5 developers using Agile methodology to deliver a cloud-native project to spin up browsers on demand on the cloud via API; Used Chrome dev-tools protocol to provide remote access to the browsers.
- **AWS Headless Browser Automation** Python/FastAPI - service simulating network routing and session management on AWS EC2.

- **Network Simulation – Cisco Packet Tracer** – Configured LAN/WAN topologies, routing protocols, and MPLS concepts.
- **Temperature Anomaly Detection (Python/Flask)** – Built REST APIs for sensor anomaly monitoring with KNN-based missing value estimation.

<div align="center">Work Experience</div>

OMNI Associate, Walmart – Ottawa | *Jul 2025 – Present*
- Resolved customer inquiries, maintained records, strengthened teamwork and problem-solving.
- Provided Customer support with online orders.

Gas Station Cashier, Pioneer Gas Station – Ottawa | *Sep 2023 – Jul 2025*
- Managed transactions, inventory, and operational accuracy.

Assistant Manager, Multi-Skilled Training Center – Nepal | *Feb 2020 – Jul 2023*
- Supervised staff, oversaw daily operations, assisted in providing Vocational training.

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Key Strengths

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- Strong foundation in C, C++, Java and Python programming for routing and automation tasks.
- Knowledge of IP/MPLS protocols, Segment Routing, and carrier-class environments.
- Proven leadership in Agile teams delivering network/cloud projects.
- Skilled in debugging, test execution, and documentation.