Waterloo, ON N2J 0B5 | ghim7210@mylaurier.ca

ADARSHA GHIMIRE

Certified Solutions Architect – Associate (AWS)

PROFESSIONAL SUMMARY

Motto: "Transforming Data Into Intelligent Solutions — Where Machine Learning Meets The Power Of The Cloud."

Self-motivated and results-driven Machine Learning enthusiast with a strong academic foundation, excellent problem-solving and communication skills, and a proven ability to quickly adapt to new technologies in fast-paced, customer-centric environments. Eager to apply skills in a collaborative environment to solve challenging real-world problems using AI/ML with Cloud Computing techniques or any IT Role.

PROFESSIONAL EXPERIENCE

ASSISTANT OFFICER TECHNICAL 03/2024 to 07/2025
Chitwan Medical College Ltd, Bharatpur, Nepal

- Provided **technical and operational support** across departments such as pathology, radiology, pharmacy, and laboratories
- Understanding of DHCP, DNS and VLANs
- Basic understanding of PowerShell, bash or other scripting languages
- Assisted in the **installation, configuration, and maintenance of medical appliances and equipment**
- Performed **network engineering tasks**, including troubleshooting connectivity issues and supporting hospital IT infrastructure
- Managed **server administration**, backup, and monitoring to ensure data integrity and system reliability
- Delivered **IT help desk support**, resolving hardware, software, and user access issues for hospital staff
- Entered, updated, and maintained **healthcare data and records** with high accuracy and confidentiality
- Supported **desktop engineering** tasks such as hardware setup, OS installation, and software troubleshooting
- Provided **CRM software support** for clinical and administrative teams to streamline patient management
- Conducted **data analysis and reporting** for medical and operational teams to support informed decision-making
- Collaborated with **biomedical and IT departments** to ensure compliance with safety and performance standards

IT ASSISTANT(SUPPORT) 01/2016 to 03/2019
Compass Group, Chartwells K12, Sydney, Australia

- Provide first-level technical support for hardware, software, and network issues
- Troubleshoot and resolve problems with desktops, laptops, printers, and mobile devices
- Support and maintain Point of Sale (POS) systems used in hospitality operations
- Install, configure, and update operating systems and business applications
- Set up user accounts, manage permissions, and assist in employee IT onboarding
- Monitor and maintain internet connectivity, local networks, and wireless systems
- Perform routine data backups and assist with data recovery procedures
- Maintain an inventory of IT equipment and document support activities and procedures
- Strong organizational abilities with a talent for prioritizing tasks in high-pressure, fast-paced environments
- Skilled in troubleshooting, problem-solving, and conducting analytical assessments

- Excellent verbal and written communication skills
- Capable of working independently with minimal supervision or collaboratively within a team
- Strong interpersonal skills for building positive workplace relationships
- Eager to learn and stay updated with new technologies and organizational practices
- Quick to grasp new software and tools with minimal guidance

EDUCATION

Wilfrid Laurier University, 75 University Ave W, Waterloo, ON N2L 3C5, Canada
Master, Applied Computing, Expected in 09/2027

Jain University, Bangalore, India
Bachelor of Technology, Computer Engineering , 11/2023
Overall US official Authority GPA Conversion 3.90/4.0

- Artificial Intelligence and ML Topper 87/100
- Introduction to Data Science Topper 84/100
- Mathematics- I (Calculus) Topper 98/100
- Mathematics- II (Linear Algebra) Topper 95/100
- Cloud web services Lab Topper (AWS) 94/100
- OOP using Java Topper 98/100
- Database Management Systems Lab Topper 98/100

Sydney Institute of Business & Technology (SIBT), Sydney, Australia
Diploma, Computing, 09/2015

CERTIFICATIONS

AWS Certified Cloud Solution Architect Associate, 12/2024

Solutions Architect Knowledge Badge (AWS Training and Certificates), 12/2024

Get Started With Python (Google), 10/2024

Foundations of Data Science (Google), 09/2024

Programming in Python (META), 09/2024

Crash course on Python (Google), 06/2024

Artificial Intelligence Fundamentals (IBM), 07/2025

SKILLS

Deep learning/Machine Learning/ Data Science	Numpy/scikit-Learn/Pandas
Tableau/PowerBI/Matplotlib/Seaborn	Python/NLP/CNN/PyTorch/CUDA/Google GPU
Amazon Web Service	JavaScript/ReactJS/CSS/HTML /SCSS/RESTAPI
SQL/GitHub/Docker/Kubernetes/Linux/Shell Scripting/CI/CD/DevOps	Microsoft Office 365/MacOS/Windows/Server /Networking

PROJECTS

Fake News Detection using NLP
Built a binary classification model to detect fake news articles using NLP techniques.

Pneumonia Detection from Chest X-rays (CNN + Transfer Learning)
Developed a deep learning model to classify chest X-rays as normal or pneumonia using PyTorch and CUDA

GPU-Accelerated Image Classifier with CUDA
Created a GPU-accelerated handwritten digit recognizer (MNIST) using CUDA and PyTorch.

Dynamic Weather Web Application
Using HTML, CSS, SASS(Preprocessor), Custom CSS, REACTJS, JavaScript, and OPEN

WEATHER API and POSTMAN

Build a Serverless Web Application using AWS
Lambda, Amazon API Gateway, AWS Amplify, Amazon DynamoDB, and Amazon Cognito

Deploy a Node.js Application to AWS
Using CI/CD and Deploy a Python Flask Application, AWS CI/CD and Terraform

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RESEARCH & PUBLICATION	• **Hybrid Algorithm for Real-Time Sign Language Detection system**
	   Published in IEEE International Conference on Networks, Multimedia and Information Technology NMITCON-2023) (IEEE Xplore Digital Library)
	
	  This research paper suggests a machine learning-based system designed to interpret sign languages in real-time from a video feed to help deaf
	  and hard of hearing individuals overcome communication barriers.
	
	   Link: https://ieeexplore.ieee.org/document/10276188
	
	• **Scaling Cafeteria Management Application Using Cloud Load Balancer"**
	   Published in the International Journal of Innovative Research in Technology (IJIRT)
	
	   Link: https://ijirt.org/Article?manuscript=159260