
AMIT RAWAT

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PROFESSIONAL SUMMARY

As a detail-oriented problem solver, seeking to provide innovative solutions and drive business growth. Ready to help team achieve company goals.

EDUCATION

MASTER OF ENGINEERING Electrical and Computer Engineering

University of Windsor

Windsor, ON, December 2022

Data Mining - Mini-project on Missing Data Imputation Techniques

Computer Arithmetic Algorithms - Fast Adder Design Techniques

Computer Network Security

BACHELOR OF ENGINEERING Computer Engineering

Gujarat Technological University

India, August 2020

Cloud Computing Platforms: Amazon Web Services (AWS) Infrastructure as Code (IaC) Tools: AWS

CloudFormation Programming Languages: Python, Java, C++, JavaScript

Deep Learning Framework: PyTorch

Web Development: HTML, CSS, PHP, JavaScript

Database Management Systems: MySQL

Data Analysis: NumPy, Pandas

Operating Systems: Linux, Windows

Strong problem-solving skills and ability to work in a team environment

Good communication and interpersonal skills Highly motivated and willing to learn new technologies

SKILLS

- Cloud Hosting
- Apache/NGINX Web Server
- Linux (Bash)
- Version Control Systems (Git), CI/CD
- Server-side Scripting Languages: PHP, JavaScript (Node.js), Python(Flask)
- DBMS (MySQL, PostgreSQL)
- NOSQL (MongoDB)
- SOAP and Restful Web Services
- Fluency in C, C++
- Java, C#
- Deep Learning (PyTorch, TensorFlow, Keras)
- AWS

PROJECTS

Image Restoration using Deep Learning

- Developed a deep learning project to produce high-quality images using neural networks to apply various image restoration techniques.
- Used PyTorch to train neural network models for various image restoration tasks.
- Used Pillow (PIL) Library to process images and NumPy, Pandas to handle image data.
- Created a Flask app wrapped in UWSGI connected to NGINX that used the trained models to process images and produce the result.

Full-Stack Food Ordering System

- Developed a full-stack solution using PHP, MySQL, HTML, JavaScript, and CSS to improve the food ordering process in workplaces and universities.

University Forum Website

- Developed a full-stack project using PHP, MySQL, HTML, JavaScript, and CSS to provide a forum for university students and staff.

ACCOMPLISHMENTS

TCS Inframind II

- Participated in a hackathon and automated the creation of IAM, S3, VPC, Subnet, ELB, EC2 instances,
- Scheduled Shutdown, backup, and API Gateway on AWS cloud platform using IaC tool CloudFormation engine.
- Wrote custom Python scripts to automate the unsupported parts by AWS CloudFormation.
- Automated the process, reducing the time and effort required to create application environments, resulting in increased efficiency and reliability.

CERTIFICATIONS

Deep Learning Specialization by Andrew Ng at Coursera via deeplearning.ai

- Neural Networks, CNNs, Sequence Models
- Regularization and Optimization

EXPERIENCE

NATIONAL SERVICE SCHEME (NSS)

Volunteer | India | August 2016 - August 2018

- Assisted with special events or programs.
- Maintained clean, neat and operational facilities to serve program needs.
- Used strong interpersonal communication skills to convey information to others.
- Supported engaging, fun and smooth-running events by helping with organization and planning.