

# Sunil Sapkota

Backend / DevOps Engineer

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PORTFOLIO | STACKOVERFLOW | GITHUB | LINKEDIN

## EDUCATION

### VICTORIA UNIVERSITY

APPLIED INFORMATION TECHNOLOGY MASTERS

july 2025 - Present  
Sydney Australia

### LAGRANDEE INTERNATIONAL COLLEGE

BCA (BACHELOR OF COMPUTER APPLICATION) BACHELOR

GPA: 3.03

apr 2016 - jul 2021  
Pokhara, Nepal

## EXPERIENCE

### ISMT COLLEGE | ASSISTANT PROFESSOR

Nepal | July 2024 – July 2025

- Teach students Machine learning and Business process support
- Administrative support to the Coordinator, Student Resources & Planning
- Support College administrative tasks and assist with sessional staff allocation.

### LAGRANDEE INTERNATIONAL COLLEGE | ASSISTANT PROFESSOR

Pokhara | Jan 2023 – July 2024

- Supervised final-semester student projects.
- Taught students Android Application Development, Management Information System(MIS), and Programming Logic and Techniques.
- Resulted in several successful and innovative applications by students.
- Colaborate with student for project work and supervise their work.
- Administrative support to the Coordinator, Student Resources & Planning
- Support College administrative tasks and assist with sessional staff allocation

### AD BREAK MEDIA | FULL STACK DEVELOPER

Pokhara Nepal | Jan 2022 – Jan 2023

Designed and deployed AI models on AWS infrastructure, integrating them into scalable Dockerized environments.

Optimized data pipelines and MongoDB schema for training and serving ML models via Node.js APIs.

Reduced model inference time by 20% and increased prediction accuracy by 15%.

Reduced deployment time by 40% and improved scalability.

Optimized resource allocation, leading to a 25% increase in system efficiency

### RACE GROUPS | DEVELOPER

Pokhara | Nov 2020 – Jan 2022

Developed AI-based systems to automate manual operations and processes.

Implemented machine learning models to enhance customer behavior predictions and operations.

Achieved a 50% improvement in operational efficiency by leveraging AI algorithms.

Increased customer retention and loyalty by 25%.

## SKILLS

### PROGRAMMING LANGUAGES

### LIBRARIES/Frameworks

### TOOLS / PLATFORMS

### DATABASES

Python, Java, Javascript, PHP, Typescript

Amazon Machine Learning, Scrapy, scikit-learn, Next.JS

Github, Tableau, Power BI, Office 365, CRM Systems, Data Entry, Windows

mongodb, MYSQL, dynamodb

## PROJECTS / OPEN-SOURCE

### TUTORIAL WEBSITES | [LINK](#)

HTML, JavaScript, CSS

- A comprehensive collection of notes and key question-answer resources for various ICT subjects.

### ANDROID APP | [LINK](#)

Java, Kotlin

- Suchna Walla is an AI-enhanced online notice board application specifically crafted to simplify access to notices for students. It leverages machine learning to personalize notice recommendations based on user preferences and interaction history. The platform empowers users to interact with notices, leave comments, manage profiles, and customize preferences, providing a streamlined and intelligent user experience.

## CERTIFICATIONS

- Big Data on Amazon web services (Udemy) - [LINK](#)
- Full Stack Web Developer with AI & ML Integration (Udemy) - [LINK](#)
- Machine Learning with Jupyter Notebooks (Udemy) - [LINK](#)
- Ultimate AWS Certified Cloud Practitioner - 2023 (Udemy) - [LINK](#)