

# Ishan Maharjan

 Eshan133 |  Ishan Maharjan |  
 ishan.maharjan5@gmail.com |  +9779840033006 |  
 Ishan Maharjan

## SUMMARY

---

Currently serving as a Teaching Assistant at IIMS College and working as a freelance AI automation developer. Engaged in research projects spanning hate speech detection, Reconfigurable Intelligent Surfaces (RIS) in Nepal, and network security. Aspiring to advance as an AI researcher, with a focus on developing innovative, impactful solutions at the intersection of artificial intelligence and real-world applications.

## EXPERIENCE

---

### Teaching Assistant: IIMS College, Kathmandu

Nov 2024 - present

Designed and delivered machine learning and data science courses, creating interactive, hands-on learning environments while mentoring students in data-driven projects.

**Modules taught:** – Data Science Principle, Data Visualization, Big Data Technology, Database System, Inferential Mathematics

### Data Scientist: Code Vatika

May 2023 - Nov 2024

Worked as Data scientist. Proficient in Python, SQL, and machine learning frameworks.

**Responsibilities:** – Data preparation, Exploratory Data Analysis (EDA), Feature Engineering, Model Development, Data Visualization

## EDUCATION

---

2021-2024 Bachelor of Information Technology at **IIMS College**  
2018 - 2020 Physical Science at **Khwopa Higher Secondary School**  
School -2018 Physical Science at **Saipal Academy**

## CERTIFICATION

---

Oracle Cloud Infrastructure 2025 Certified Data Science Professional  
Machine Learning Specialization  
Deep Learning Specialization

## PUBLICATIONS

---

- <https://acl-bg.org/proceedings/2025/CASE>

## PROJECTS

---

- Fine tuned Bert model with LORA and QLORA
- Paper implementation of Transformer
- Meta Automation with RAG + PostgreSQL
- Security Compliance RAG Chatbot
- Hate Speech Detection (Multimodal CLIP, RES+BERT, MemeCLIP)
- College Exam Q&A RAG Chatbot

- 3D Knee Bone Segmentation from CT Scans
- Tiny VGG and ResNet (from scratch)
- Logistic Regression, Decision Tree, K-Means (from scratch)
- Text Summarization App (NLP)

## SKILLS

---

**Programming** R, Python(Pandas, PyTorch, NumPy, Scikit Learn. etc.) C, C++, SQL, Java, Flutter, Dart

**Miscellaneous** LLM APIs, Docker, Microsoft Office, Tableau, N8N, Supabase, Git and Github.

## ACTIVITIES

---

- Participant – 5th Annual Nepal Artificial Intelligence School (AN AIS) 2024/25
- Participant – Nepal Hacks @ SecurityPal 3.0 (42-hour AI hackathon)