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

- Multimodal Hate Speech Analysis Using BERT and RESNET

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 (ANAIS) 2024/25

- Participant – Nepal Hacks @ SecurityPal 3.0 (42-hour AI hackathon)