

# Ishan Maharjan

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## SUMMARY

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A teaching assistant and machine learning enthusiast with machine learning and statistics expertise, specializing in real-time data processing, and predictive analytics. Experienced in both academic teaching and industry roles, focusing on applying machine learning to practical, data-driven problems.

## EXPERIENCE

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**Teaching Assistant: IIMS College, Kathmandu, Nepal** 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

**Graphic Designer: MERO SHOPPING** May 2023 - Nov 2024

Designed posts, advertisements, contents. Handled social media page, processed orders

**Tools Used:** – Adobe Photoshop, AfterEffect, Canva, Facebook Marketplace, Daraz

## EDUCATION

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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

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[Machine Learning Specialization](#)

[Deep Learning Specialization](#)

## PROJECTS

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- Meta Automation with RAG + PostgreSQL
- Security Compliance RAG Chatbot – SecurityPal Hackathon
- Hate Speech Detection (Multimodal – CLIP, RES+BERT, MemeCLIP)
- College Exam Q&A RAG Chatbot
- 3D Bone Segmentation from CT Scans (Computer Vision)
- Multimodal Meme Classification
- Tiny VGG and ResNet (from scratch)
- Logistic Regression, Decision Tree, K-Means (from scratch)
- Text Summarization App (NLP)

## SKILLS

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**Programming** R, Python(Pandas, PyTorch, NumPy, Scikit Learn. etc.) C, C++, SQL, Java.  
**Miscellaneous** LLM APIs, Docker, Microsoft Office, Tableau, Git and Github.

## ACTIVITIES

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