

BIPIN ADHIKARI



Data Science Intern

Contact Details

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Address: Valbonne, France

Language

English: Fluent
IELTS 8

French: Limited
Working Proficiency

Techstack:

- NLP/LLM
- RAG
- Transformers
- Machine Vision
- CNN/GANs
- Unsupervised ML
- DBScan
- Git
- Cloud
- AWS/AZURE

Languages and Libraries:

- Python
- Java
- SQL
- NoSQL
- Pandas
- Scikit-Learn
- Pytorch
- TensorFlow
- NLTK
- OpenCV
- React/Node

Introduction

I am a final year Master's Student, looking for end of studies Internship. I am passionate about leveraging AI/ML for innovative solutions.

Education:

Master's In Data Science

(2022 – August 2024) **Eurecom**, France

Fields of Study: * Machine Learning * Advanced Statistics
* Cloud Computing * Database Systems * Image Processing

Bachelor of Science (HONS) Computing:

(2019 – 2022) **UCSI**, Malaysia

Fields of Study: *Software Development * Web Development * SDLC
* Programming (Java , Python) * Development Pipelines * Agile

Certificates:

Machine Learning Specialization

University of Washington

Mathematics for Machine Learning Specialization

Imperial College London

Creative Thinking: Techniques and Tools for Success

Imperial College London

Projects:

Domain Enhanced Chatbots:

- Retrieval Augmented Generation (**RAG**) for **opensource** project.
- **400 million** sentences knowledge base.
- Used embedding vectors and Chroma DB
- Employed **memory** to keep the **context** of the conversation.

Bayesian Graph Neural Network Confidence Testing:

- Compared performance in underconfident GNNS of:
- Bayesian Graph Neural Network
- Graph **Attention** Networks
- Graph Isomorphism Network
- Graph Convolution Network

Anomalous Sound Detection:

- Identified unfamiliar anomalous sounds on faulty machines.
- Used DBScan and CNNs for **semi supervised** model.

Sentiment Analysis:

- Implemented a sentiment analysis model.
- Used **BERT** model.
- Implemented additional Neural Network Layers