

# Bipin Adhikari



## ML and DevOps Engineer

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**Address:** Valbonne, France

### Tech Stacks:

- **LLM/ RAG/ NLP**
- **Docker Swarm/Kubernetes**
- **Jenkins/ Git Triggers**
- **Python/ Java/ JavaScript**
- **Vector Databases/**  
Pinecone/ ChromaDB
- **Bash/ Linux**
- **Py torch/ TensorFlow/ many**  
other ML libraries
- **CNNs/ GANs/ ResNet**
- **React/ Node**
- **SQL/ NoSQL DBs/**

### Talk to my AI assistant:

[adhikari.pages.dev](https://bipinadhikari.github.io)

Get to know my work, skills, and interests directly from my self-coded AI assistant. Ask about my projects, professional experiences, or even my weekend hobbies!

## Experience:

### CI developer @ OPEN AIR INTERFACE (OAI)

Biot, France

02/2024 - Current

- Implemented docker swarm on the testing pipelines to centralize automatic deployment of testing containers.
- Revamped Python Code to introduce cross server multi container testing pipeline deployments.
- Migrated old pipelines to new deployment methods.
- Implemented Performance monitoring for the build and testing pipelines in all concurrent CI pipelines.
- Utilizing Log Analysis for classification of faulty part of the code based on past git diffs.

## Education:

Master's in data science

**Eurecom**, France

(2022 – August 2024)

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

Bachelor of Science (HONS) Computing:

**UCSI University**, Malaysia

(2019 – 2022)

## Projects:

### Domain Enhanced Chatbots:

- Created a chatbot to handle 400 million sentences of Odeuropa olfactory database.
- Used open source embedding model providing 400% quicker response (250ms to 50ms) while providing better responses.
- Achieved rapid 1s average responses time for processing the final answer.

### Anomalous Sound Detection:

- Identified unfamiliar anomalous sounds on faulty machines.
- Achieved an accuracy of 98% on given (non-live) dataset.
- Used DBScan and CNNs for semi supervised model.

### Other Projects:

- Checkout other projects at my GitHub.  
<https://github.com/bipinadm/>