

NAM PHAM

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SUMMARY

- About 1 year of experience in speech processing, focusing on speaker recognition/verification.
- Knowledgeable in ML, NLP, LLM, familiar with fine-tuning LLMs (Llama, Mistral), prompt engineer and developing RAG applications.
- Understands web development, including frontend (ReactJS), backend (Django/FastAPI), databases (PostgreSQL/MongoDB), deployment (Docker)

PROFESSIONAL EXPERIENCE

VINBIGDATA

Technology Specialist, Vingroup AI Engineer Training Program

(Jul 2023 – Apr 2024)

Vingroup's AI Engineer Training Program develops skilled tech engineers in AI and Data Science, providing foundational knowledge, and real-world experience, and fostering innovation to elevate Vietnam's tech industry and Vingroup's capabilities

- Be selected among many candidates nationwide after going through a 3-step admission process; participated in intensive AI training courses on AI/ML/CV/NLP concepts, algorithms, and methodologies through homeworks, hands-on workshops, seminars, and projects; implemented capstones projects: aspect-based sentiment analysis, image captioning, de-makeup
- Undertaken tasks specializing in speaker recognition, focus on addressing device and environment mismatch issues in real-world applications; reproduced a method with an optimized training strategy with a custom loss function from a paper to apply to a large dataset, unfortunately did not work as expected.
- Conducted survey research on data and methodologies and successfully constructed a baseline model for addressing the voice anti-spoofing problem, evaluated and analyzed the performance of models on benchmark datasets, and performed model packaging.

VIETTEL GROUP

Resident of Viettel Digital Talent Program - track DS & AI

(Apr 2023 – Jun 2023)

- Be selected among many candidates nationwide after going through a 3-step admission process.
- Participated in intensive training courses focused on developing skills in data science and artificial intelligence; performed a mini-project about dialect and gender identification for the Vietnamese speaker, aimed to compare effectiveness of various pre-trained deep audio representations.

VIETTEL HIGH TECH

Research Engineer Intern

(Jul 2022 – Nov 2022)

- Learned the fundamentals of signal processing; developed a voice activity detection model for speech signals using LSTM
- Researched to solve the problem of data drift when with real-world data, but not successful.

EDUCATION

HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY

Bachelor in Computer Science

(Fall 2018 – Fall 2024)

TECHNICAL SKILLS

Machine Learning: Regression, Decision Tree, SVM, Clustering, Bagging/Boosting

NLP/Speech Processing: BERT, T5, LLMs Fine-tuning, RAG, Speaker Recognition/Verification

Languages: Python, SQL, Javascript

Frameworks/Tools: Tensorflow/Keras, PyTorch, Scikit-learn, WandB, Langchain, CrewAI, Streamlit/ReactJS, Django/FastAPI, Git, Docker

SIDE PROJECTS

TripLadder: A multi-agent system that generates detailed trip itineraries and suggests routes based on user preferences, budget, and travel style.

FinaLens: A multi-agent system that collects financial data, analyzes trends, and produces basic reports.

Prodita: A chatbot that assists buyers in finding product information on e-commerce websites from both structured data and unstructured data

CERTIFICATIONS

[IBM Product Manager Professional Certificate](#)

[Google Project Management Specialization Certificate](#)

[Microsoft Certified: Azure AI Fundamentals](#)

[IBM AI Engineer Professional Certificate](#)

[IBM Data Science Professional Certificate](#)

ADDITIONAL INFORMATION

English: TOEIC certificate with score 795 - issued by IIG (Mar 2023)

Activities: Runner-up Iron Team (Jul 2023)