Doan Ngoc Cuong Intern Data Science and Al

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☎ EDUCATION

2021 – present Hanoi, Việt Nam

Information and Communication Technology School - Hanoi University of Science and Technology

- Major Data Science and AI (pass recruiting talent combined with interviews 2021)
- CPA in 5 periods: 2.9

2018 – 2021 Thai Binh, Việt Nam

Specializes in Mathematics,

Thai Binh High School for Gifted Students

- Vallet Scholarship of Vietnam Academy of Sciences 2019-2020
- Participated in the National Math Excellent Student Competition VMO twice in the 2019-2020 and 2020-2021

PROFESSIONAL EXPERIENCE

2024 August – 2025 January

Internship at NLP Lab - HUST, Al Intern

Practice with the problem: RAG (Retrieval Augmented Generation) - Improve Chunking technique

2024 June – present HaNoi, Vietnam

STEP UP EDUCATION, AI Intern

- Prompting for tasks related to Content generation, Image generation, and Video generation
- Packaging AI tools through calling API reference
- Output: 1 series 5-6 Web Apps AI applications, Prompting for IELTS
 Content: App The Coach and IELTS Web The Coach, Prompting Robot,
 Benchmark and Evaluation Dataset for RAG, LLMs problem and Build
 RAG, LLMs applications.

2023 June – present Hanoi, Việt Nam

MINDX TECHNOLOGY SCHOOL, Teaching Assistant 🛮

• Teaching Python

2023 June – present Hanoi, Việt Nam

CODE MELY, AI Tech ☑

- Projects: ROAD NAME SIGNS DETECTION AND RECOGNITION
- Competitions: UnetPlusPlus_resnext101_model for Segment vasculature in 3D in Kaggle Competitions
- NLP SubLeader in Code Mely Team

2021 March – 2021 August

Teaching Math for 10th grade entrance exam preparation and Teaching Math For The National HSG Examination VMO

- One student passed the entrance exam for the Physics major at HUS High School for Gifted Students, and one student passed the entrance exam for the Informatics major at Hanoi-Amsterdam High School.
- The student won third prize in the National Math Excellent Student Contest VMO and also directly admitted to the Data Science and Al major at HUST

PROJECTS

BITCOIN PREDICTION, MiniProj_ML&Sta_2022.2_HUST 2023 February – 2023 July Machine Learning Models: Linear Regression, SVM, KNN, RF, ADaboost, Catboost, XGBoost, LightGBM, ARIMA, GAN, GRU, LSTM 2023 September -ROAD NAME SIGNS DETECTION AND RECOGNITION 2023 November PROJECT_CODEMELY PROJECT, Train model Detect signs using Yolov8, train model Segment text and Regconize text using **PaddleOCR** Train model Detect signs using Yolov8, train model Segment text and Regconize text using PaddleOCR 2023 November -UnetPlusPlus_resnext101_model for Segment vasculature in 3D, in Kaggle Competitions with CODEMELY team 2024 January Unet, UnetPlusPlus, Backbone: Resnet34, Resnet50, Resnet101, Resnet152, Resnext50, Resnext101.... Road Extraction from satellite images, Freelancer Job 2024 January Train model DeepLearning use Deep ResUnet and (Deep) ResUnet++ on Massachusetts Buildings Dataset. 2023 November -**GOLD PRICE PREDICTION,** MiniProject for Data Science Course, at 2023.1 term, HUST ☑ 2024 January 2023 November -FACE DETECTION AND RECOGNITION, 2024 January MiniProject for Deep Learning Course, at 2023.1 term, HUST ☑ Face Detection Alignment Models: Yolov5, ADNet with STARloss, VGG16, MTCNN. Face Verification Models: ArcFace, Triplet/Inceptionv2. Mini RAG SYSTEM for CODEMELY Team, chatbot ☑ 2024 March – present Technology Used: Llama_index, Langchain, Embedding Model, LLMs Model, Prompting, Hugging Face, Quantization technique, LlamaParse technique. 2024 May – present Machine Translation, MiniProject for Data Science Course, at 2023.2 term, HUST ☑ Use mBART, T5 models. 2024 May – present NO-CODE Chatbot"Doan Ngoc Cuong Assistant",

https://www.facebook.com/profile.php?id=61560584582418 ☑ Creating a personal VIRTUAL ASSISTANT - trained from my text message data with friends, from there it learns my texting style.

2024 – present NO-CODE chatbot "GOSINGA_bot" ☑

Making a RAG No-Code chatbot for the non-profit educational

organization GOSINGA

SKILLS

Programming: Python, Java, HTML

Machine Learning Models: Linear Regression, SVM, KNN, RF, ADaboost, Catboost, XGBoost, LightGBM, ARIMA, GAN, GRU, LSTM

English: B1

Libraries/ frameworks: Seaborn, Matplotlib, SciKit-Learn, OpenCV,

Pytorch,

albumentations,

segmentation_models_p

ytorch, ...

Deep Learning Models: CNN, RNN, GNN, Unet, UnetPlusPlus, Yolo, PaddleOCR,

NLP&LLMs

HuggingFace, Llama_index, Langchain, LLMs, Prompting, Quantization technique, LlamaParse

♠ ORGANIZATIONS

2022 – present Volunteer Team October 1985 Student Association of Hanoi

University of Science and Technology, Volunteer ☑

2021 – present Bach Khoa Training Institute BKE - Decent living community GNH,

Members and Volunteer 2

2023 April – present Educational organization - Non-profit meditation center GOSINGA,

Meditator