

# DO NGUYEN PHUONG ANH

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## OBJECTIVE

Passionate AI enthusiast with experience in computer vision and natural language, model optimization. Proven ability to design and implement lightweight AI models for real-time applications. Seeking an AI Engineer Intern position to apply my skills in PyTorch, TensorFlow to deliver impactful AI solutions and learn from industry experts

## EDUCATION

**Ho Chi Minh City University of Foreign Languages – Information Technology (HUFLIT)** Sep 2023 - Present

Information Technology

GPA: 3.82/4

TOEIC: 665

## EXPERIENCE

**AI Engineer Intern – TMA Solutions** Dec 2025 – Mar 2026

**Technologies:** Python, PyTorch, OpenCV, Media-pipe

- Developed and optimized computer vision models for real-time human pose detection and analysis using MediaPipe and OpenCV.
- Built data preprocessing pipelines and performed model evaluation to improve accuracy and inference speed.
- Implemented and tested lightweight deep learning solutions suitable for real-time applications.
- Collaborated with team members to integrate AI models into application workflows.

## PROJECTS

**Research Project – Developing the EREL Algorithm for Integrating Entity Recognition and Linking** Jan 2025 – Dec 2025

**Technologies:** Python, Asp.Net Core, Entity Recognition and Entity Linking

- Conducted research on Entity Linking for Vietnamese text, including document structure analysis, entity mention detection, coreference resolution, and ambiguity disambiguation.
- Implemented experiments on sample datasets and evaluated performance using key metrics (accuracy, recall, and processing time).
- Managed the entire research workflow: planning, data collection, preprocessing, algorithm development, experimentation, and final report writing.
- Delivered a comprehensive technical report and a validated list of correctly linked entities.

**Real-time Delivery Tracking System using Apache Kafka** Dec 2024 – Apr 2025

**Technologies:** Apache Kafka, .NET Core, SQL Server, JavaScript

- Designed and implemented a real-time delivery tracking system using Apache Kafka with a publish–subscribe architecture.
- Built producer–consumer pipelines to stream and process order events (creation, status updates, delivery tracking) in real time.
- Developed backend services with .NET Core and integrated Kafka topics for asynchronous event processing.
- Implemented data storage and retrieval using SQL Server to support order tracking and analytics dashboards.
- Designed system components for order management, route tracking, and real-time status updates across multiple user roles (Admin, Shipper, Customer).

- Evaluated system performance in terms of latency, scalability, and real-time processing efficiency.
- Gained hands-on experience in building scalable data pipelines and distributed systems for high-throughput applications.

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## SKILLS AND ABILITIES

### Technical Skills:

- **Core AI/ML:** Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Data Preprocessing.
- **Programming & Tools:** Python, CSharp, SQL, Git, Jupyter Notebook, Angular, Asp.Net, OpenCV, MediaPipe, Yolo, Hugging Face.
- **Frameworks & Libraries:** PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, NTLK.
- **Soft Skills:** Problem-solving, Attention to detail, Teamwork, Adaptability, Communication.

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## AWARDS & HONORS

### Merit-based Scholarship for Academic Excellence HUFLIT

2023 - Present

Awarded annually to students with outstanding academic performance.