

Anh Duy Nguyen

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Education

Eindhoven University of Technology
MSc Data Science and AI

Sept 2024 – July 2026

Tilburg University
BSc Cognitive Science and AI

Sept 2020 – Sept 2024

Coursework: Machine Learning, Deep Learning, Software Engineering, Data Structure and Algorithm

Experience

Philips Internship – AI Labelling Requirement Verification Tool

Eindhoven, Netherlands
Nov 2025 – July 2026

- Built a tool to automatically verify artwork, instruction for use of Mother & Childcare products within Philips, reducing approximately 100 hours of working time for system engineers and architects.
- Finetuned YOLO v11 model for verifying regulatory icons with over 95% accuracy and HuggingFace LLM for matching text requirements
- Maintaining 100% test coverage for the tool using Pytest and SonarQube as well as creating a CI/CD pipeline to support production.
- Tools Used: **PyTorch, Yolo, FastAPI, ReactJS, HTML, CSS, JavaScript, Pytest, Git CI/CD, SonarQube, HuggingFace**

Co-Founder
HSGS Code Camp

Hanoi, Vietnam
June 2018 - Nov 2018

- Founding member of the project that educated and guided young students to learn C++ programming and competitive programming.
- Led a team of 6 mentors to teach students in 4 different schools, with over 500 students participating.
- Provided a web platform that the students can practice programming (codefun.vn [🔗](#)) .

Projects

F1 RAG Agent

[Link to repo](#) [🔗](#)

- Developed a AI agent using **Retrieval-Augmented Generation** to answer users' questions about Formula 1 racing rules, history, teams.
- Provided accurate information with link to sources using vector databases that stores document chunks.
- Tools Used: **Langchain, Ollama, ChromaDB, Flask, HTML, CSS, Javascript, Python**

Research paper summarization and recommendation web

[Link to repo](#) [🔗](#)

- Developed a website to help users summarize text documents, specifically research papers which reduced 90% reading time for reasearchers.
- Provided recommendations for new papers related to the paper provided by users through Arxiv API.
- Support Dutch translation for summaries which allows Dutch users to read in their language.
- Deployed the website on **AWS** using EC2 instances alongside a Load Balancer to scale the website for larger user base.
- Tools Used: **AWS, FastAPI, HuggingFace, Python, Streamlit, Git, HTML, CSS, JavaScript**

Technologies

Technologies: C, HTML, CSS, Javascript, Python, JavaScript Git Version Control, Flask, Pytorch, Hugging-Face, Langchain, LangGraph, Ollama, SQL, Numpy, Pandas, Matplotlib, AWS, Pytest, Linux