

DO LY ANH KIET

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Education

Van Lang University

Data Science & Engineering

October 2022 - 2026

GPA 3.2/4

Work Experience

Advanced Technology & Equipment Company Limited.

October 2024 – April 2025

Software Development Engineer - Part-time

Remote

- **Web Automation System** [\[Source Code\]](#):
 - * Built browser automation using **Selenium WebDriver** (Headless Chrome)
 - * Orchestrated workflows through **Jenkins** CI/CD pipelines
 - * Implemented PDF/text extraction and image processing modules
- **Data Processing**:
 - * Developed ETL pipelines using **Python** (Pandas, PostgreSQL)
 - * Automated data validation and quality checks
- **AI Camera System** [\[Source Code\]](#):
 - * Developed computer vision solutions using deep learning frameworks
 - * Implemented real-time object detection and recognition algorithms
 - * Optimized model performance for edge device deployment

Projects

VLU Project: **AI-driven News Sentiment Analysis Platform** (Individual Project)

[Source Code](#)

- Architected and developed a **full-stack sentiment analysis system** using **Python, Flask, PostgreSQL, and Docker** for containerized deployment
- Implemented advanced **Natural Language Processing (NLP)** pipelines for real-time sentiment analysis of news articles and text content
- Engineered a scalable **PostgreSQL** architecture with **SQLite** migration scripts ensuring **data integrity** and **performance**, and crafted an interactive analytics dashboard for **sentiment trends** using **modular design patterns**
- Completed as a **solo developer**, managing all aspects of design, implementation, and testing

VLU Project: **Brain Tumor Detection Using Deep Learning** (Individual Project)

[Source Code](#)

- Developed a medical imaging system achieving **high accuracy** using **Xception CNN** to detect and classify brain tumors from MRI scans
- Implemented **transfer learning** with ImageNet weights and advanced **data augmentation** to enhance model performance
- Built full-stack web application using **React, Flask, and TensorFlow** for real-time tumor detection
- Deployed model with **Git LFS** for efficient distribution of large model files

Model Development: [Kaggle Notebook](#)

Technical Skills

Programming Languages: Python, JavaScript, Java, Dart, PHP

Web Development: Django, React, Node.js, Flask, Laravel

Frontend: HTML/CSS, TailwindCSS, Bootstrap

Data Technologies: PostgreSQL, MongoDB, Neo4j, Dataiku, Streamlit

Mobile Development: Flutter

DevOps & Tools: Docker, Jenkins, Git, RESTful APIs, Socket.IO

Honours and Awards

- 10% Tuition Scholarship (2023–2024)

Achievements

- Microsoft Office Specialist (MOS) Excel Certification
- English B2 Level (University Graded)