Do Hoang Khanh **Nam**

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"All I can be is me - whoever that is."

Education

AOF (Academy of Finance) *Hanoi, Vietnam*

B.S. in Management Information System *Sep. 2021 - Aug. 2025*

Skills

Operating Systems	Ubuntu, Arch Linux, Windows
System Engineering	Basic Server Setup, Network Configuration, System Monitoring, System Configuration, File and User Management
IT Support	Software Installation, Troubleshooting, Helpdesk Support, Remote Assistance, Customer Communication, Documentation
DevOps / CI / CD	Docker, Jenkins, GitHub Actions
Git Tools	Cloning, Committing, Cherry-Picking, Pushing, Pulling, Branching, Merging
Business Analytics / BI	PowerBI, Tableau, Figma, Microsoft Visio, Draw.io, Jira, Apache Superset, MS Office Suite
Programming	Python, SQL, R
ML / DL / AI Tools	PyTorch, TensorFlow, Transformers, Scikit-learn, XGBoost, LightGBM, Pandas, NumPy, Matplotlib, Seaborn, Plotly, Selenium, Hugging Face, Unsloth, LangChain, Statsmodels
Data Engineering Tools	Apache Spark, Apache Hadoop, Apache Airflow, PostgreSQL, MySQL, MongoDB
Languages	Vietnamese, English (IELTS 7.0)
Soft Skills	Determined, Willing to Learn, Problem-Solving, Adaptability, Critical Thinking, Communication, Self-Motivation, Time Management, Teamwork, Data-Driven Decision Making

Experience

VNPT *Hanoi, Vietnam*

Business Analyst Intern *Oct. 2023 - Apr.2024*

- Prepared documentation: Use Cases, BRD and SRS. Created UML diagrams and ERD using Microsoft Visio. Designed wireframes and prototypes using Figma.
- Learning and practicing Scrum, Sprint planning and Daily Standups.
- Helping prepare reports, presentations and dashboards for management.
- Conducted competitor research and customer survey analysis. Provide useful insights to leaders.

Viettel IDC *Hanoi, Vietnam*

Data Scientist Intern *Jun. 2024 - Sep. 2024*

- Built a dataset by crawling and extracting data (price, name, category,...) from E-commerce platform (Shopee, Lazada,...). Performed EDA on the dataset and extracting actionable insights
- Worked on churn prediction for Banking data.
- Created interactive visualizations and reports in Apache Superset.
- Managed PostgreSQL databases using pgAdmin, wrote SQL queries and working with complex schemas.
- Trained YOLO for Object Detection and Recoginition tasks.
- Inference and fine-tune small LLM models.

Projects

Stock Intelligence for Growth, Monitoring and Alerts

Core Member

- Classified stocks based on quantitative and qualitative criteria to identify potential investment targets.
- Developed a stock screening model leveraging financial indicators and market signals to optimize the selection process.
- Constructed a stock price prediction model using machine learning algorithms to estimate trends and price fluctuations.
- Backtested trading strategies with a win rate between 15 and 30%.
- Designed and implemented an automated trading alert bot on Telegram.

Multimodal RAG-based Chatbot for Academy of Finance

INDEPENDENT RESEARCHER

- Collected data from the official AOF website, Facebook page and admission groups.
- Collected and cleaned crawled data, including transcripts generated from admission counseling videos using Whisper and text from pictures using VLM models.
- Designed a keyword - image similarity pipeline to retrieve images aligned with keyword from chatbot responses.
- Achieved over 85% accuracy in text answers on questions related to the Academy and 35 - 65% accuracy in image relevance.
- Conducted experimental deployment of the chatbot through Gradio.

Automated Student Attendance System

CORE MEMBER

- Trained a YOLO model to perform accurate face detection across diverse image conditions.
- Implemented InsightFace for high-precision facial recognition and identity verification.
- Integrated detection and recognition pipelines. Achieved over 80% accuracy on camera streams.

Traffic Violator Identification

INDEPENDENT RESEARCHER

- Trained a YOLO model to automatically detect individuals not wearing helmets in traffic scenarios.
- Collected and curated dataset from online sources and self-taken images of real traffic violations.
- Applied data augmentation techniques to expand dataset diversity and improve detection accuracy.
- Developed a real-time detection pipeline. Achieved over 70% accuracy under varied lighting and traffic conditions.

Honors & Awards

2025	**Top 10,** Data Science Talent Competition	*Hanoi, Vietnam*
2025	**1st Place,** Faculty-level Scientific Research Projects Competition	*Hanoi, Vietnam*
2025	**Top 20,** Academy-level Scientific Research Projects Competition	*Hanoi, Vietnam*
2024	**1st Place,** AOF Digital Transformation Festival	*Hanoi, Vietnam*
2023	**Top 4,** AOF English Champion Contest	*Hanoi, Vietnam*