

# Dang Van Nhan

✉ [lucasdang04@gmail.com](mailto:lucasdang04@gmail.com) ☎ +84 343 356 814 [in lucas-nhandang](#) [📱 lucasnhandang](#)

## CAREER OBJECTIVE

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- IT undergraduate with a strong interest in AI, Machine Learning.
- Passionate about developing ethical, impactful technologies to solve real-world problems.
- Seeking opportunities to grow as an AI Engineer/Researcher through hands-on projects and research.

## EDUCATION

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**School of Information and Communication Technology (SoICT)** Hanoi, Vietnam  
**Hanoi University of Science and Technology (HUST)** *Sep, 2022 – Present*

*Bachelor of Science in Global ICT Program*

**CPA: 3.75/4.00**

**Tran Phu Gifted High School** Haiphong, Vietnam

*Specialized Student in Informatics* *Jul, 2019 – Jul, 2022*

**GPA: 9.37/10.00**

## SKILLS

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<b>Programming Languages</b>	C, C++, Java, Python, SQL
<b>Libraries &amp; Frameworks</b>	PyTorch, Tensorflow, OpenCV, Numpy, Pandas, Matplotlib
<b>Tools &amp; Platforms</b>	Git, GitHub
<b>Mathematics &amp; Core CS</b>	Data Structures & Algorithms, Object-oriented Programming, Calculus, Algebra, Probability & Statistics, Discrete Math, Basic Physics
<b>Soft Skills</b>	Problem-solving, Teamwork, Time Management, Critical Thinking
<b>Languages</b>	Vietnamese (Native), English (Upper-intermediate)

## HONORS & AWARDS

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**HUST 2024.2 Academic Achievement Scholarship, Grade: Excellent** *Apr, 2025*

GPA: 4.00/4.00, Training Point: 100/100.

**HUST 2023.1 Academic Achievement Scholarship, Grade: Excellent** *Nov, 2023*

**Participant, Vietnam Olympiad in Informatics (VOI) 2022** *Mar, 2022*

Participated in Vietnam's national Informatics competition.

**Second Prize, Provincial Informatics Contest** *Sep, 2021*

## EXPERIENCE

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**BKAI Research Center, HUST** Hanoi, Vietnam  
*Research Assistant* *Sep, 2024 – Present*

- Conducted research in **Computer Vision** lab on image/video processing and anomaly detection.
- Applied deep learning models to analyze and detect anomaly events in videos and images.

**SoICT, HUST** Hanoi, Vietnam  
*Teaching Assistant* *Sep, 2024 – Jul, 2025*

- Assisted in lab sessions for **Data Structures and Algorithms** courses.
- Guided students in programming and applying algorithmic thinking to solve practical problems.

## PROJECTS

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## Fake News Detection

[GitHub](#)

- Developed a fake news classifier across multiple domains using **XLNet**, **RoBERTa**, and **DeBERTa**.
- Preprocessed data, fine-tuned models, and evaluated performance.
- Co-authored report with literature review and analytical insights.

## AIMS - An Internet Media Store

[GitHub](#)

- Built a full-stack e-commerce web app with **React**, **Spring Boot**, and **PostgreSQL**.
- Integrated **VNPay** sandbox for simulated online payment using **ngrok** tunneling.
- Led backend development and contributed to system design, testing, and documentation.

## Money Manager

[GitHub](#)

- Developed a cross-platform finance app using **React Native**, deployable on iOS, Android, and Web.
- Integrated **MC-OCR** to scan receipts and automatically convert them into transactions.
- Deployed a chatbot for managing personal finances, categorizing expenses, and querying transactions.

## Sign Language Recognition

[GitHub](#)

- Built a flexible hand sign recognition system based on the ASL Alphabet Dataset.
- Used **EfficientNet-B0** as a feature extractor for a **few-shot learning** pipeline.

## Movie Ticketing System

[GitHub](#)

- Designed and implemented a **relational database system** for cinema ticket booking.
- Led schema design and query optimization.

## Movie Recommendation System

[GitHub](#)

- Developed a recommender system using machine learning models.
- Implemented, evaluated, and optimized **FunkSVD**; conducted experiments and analyzed results.

## Data Structures Visualization

[GitHub](#)

- Built a Java-based GUI to **visualize data structures** for educational purposes.
- Focused on **stack** operations; developed animations and step-by-step execution features.

## LEADERSHIP & EXTRACURRICULAR ACTIVITIES

### Youth Union – Student Association, SoICT, HUST

Hanoi, Vietnam

*Member, Information & Foreign Affairs Department*

*Dec, 2023 – Jul, 2025*

- Supported communication efforts and external relations for various student-led events.
- Assisted in content creation and promotional strategies to enhance outreach and engagement.
- Contributed to building partnerships and maintaining a positive image for the department.

### SoICT Student Volunteer Team (VIT), HUST

Hanoi, Vietnam

*Former Head of Administrative Affairs*

*Dec, 2022 – Dec, 2024*

- Managed internal operations and discipline for a team of over 200 volunteers.
- Led HUST's key volunteer campaigns: **Loving Spring** and **Green Summer** with 60-70 participants.
- Awarded Certificate of Merit for outstanding contributions over 2 years.