NGUYEN TIEN DUNG

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Education

VNU-HCM – Ho Chi Minh University of Technology — Ho Chi Minh City, Vietnam
Bachelor, Artificial Intelligence, GPA: 3.7/4.0 — Graduation: 2028 (Expected)

Awards & Honors

Regional Finalist, Global Sustainability Challenge — Hangzhou, China, Jan 2026
Organized by Stanford Doerr School of Sustainability, ZJU & partners
- Selected as the representative of the Pacific Asia & Australasia region to compete globally

First Runner-up, KU CHIC Challenge 2025 — Thailand, Feb 2026
Organized by Kasetsart University (International Competition)
- Top 2 winning project in the "Creative Horizons in Innovation for Change" competition

Runner-up, Hackathon Vietnam 2025 — Vietnam
Organized by Google Developer Groups on Campus
- Achieved Runner-up position at the National's Demo Day as a member of Team LETME

Top 30, Go Global Program 2025 — Vietnam & Australia
Organized by InnoLab Asia & HCMC Dept. of Science and Technology

Participant, APAC Solution Challenge 2025 — APAC Region
Organized by Google Developer Groups & ADB

Participant, The BUV Research Poster Competition 2025 — Vietnam
Centre for Research and Innovation, British University Vietnam

Experience

Ho Chi Minh University of Technology — Ho Chi Minh City, Vietnam
AI Research Assistant — Sep 2024 – Present
- Designed and trained deep learning models for computer vision applications, achieving significant improvements in accuracy and efficiency.
- Implemented advanced machine learning algorithms using TensorFlow and PyTorch, optimizing model performance by approximately 15%.
- Conducted rigorous model evaluations and analyses to enhance prediction accuracy and real-world applicability.
- Integrated third-party APIs effectively into machine learning pipelines, streamlining data workflows and enhancing system interoperability.

Leadership & Activities

HCMUT EE Machine Learning & IoT Lab — Ho Chi Minh City, Vietnam
Active Member — 2024 – Present
- Engaged regularly in AI workshops, projects, and seminars aimed at expanding knowledge and practical skills in machine learning and AI.
- Collaborated on various technical projects and shared insights through presentations and discussions.

VNU-HCM High School for the Gifted — Ho Chi Minh City, Vietnam
AI Project Mentor — 2025 – Present
- Mentored a student team in developing an "Automated Traffic Priority System for Emergency Vehicles" to minimize response delays and enhance public safety.
- Guided the implementation of AI models (Computer Vision & Audio Processing) on edge devices for real-time vehicle detection and traffic signal adjustment.
- Advised on urban simulation testing to evaluate the system's impact on traffic flow and emergency efficiency.

Skills & Interests

Technical:
- **Languages:** Python, C++ (Advanced)
- **Frameworks & Tools:** TensorFlow, PyTorch
- **Techniques:** Deep Learning, Machine Learning, API Integration, Data Processing and Optimization

Language: English (Fluent), Vietnamese (Native)
Interests: AI Research, Algorithm Development, Technical Innovation, Reading Academic Journals

Supporting documents

Certificates & Honors: : Click to open