TRUNG QUAN DO

AI ENGINEER-INTERN

EDUCATION

- Faculty of Mathematics and Informatics, Hanoi University of Science and Technology.
- CPA: 3.93/4.0.
- Received academic scholarship for 6 semesters.

CONTACT

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SKILL

- **Basic Mathematics:** Calculus, Algebra, Probability and Statistics.
- **Applied Mathematics:** Data Structures and Algorithms, Discrete Mathematics.
- **Systems:** Decision Support Systems, Data Analysis, System Analysis.
- **Programming Languages:** C, C++, C#, Python.
- **Communication:** TOEIC 545.
- **Soft Skills:** Technical Writing and Presentation, Leader.

CAREER OBJECTIVE

- Become a senior AI engineer within 5 years of work.
- Gain more experience in Machine Learning and Deep Learning.
- Contribute to building innovative solutions for automating document processing, enhancing efficiency, and driving business value through AI-driven technologies.

PROJECT

Personal Project: Research on Medical Image Segmentation Using U-Net Architecture

- Applied U-Net for medical image segmentation, focusing on convolution, transposed convolution, and activation functions for accurate boundary detection.
- Implemented pooling and padding to optimize feature extraction and efficiency.
- Used Otsu's algorithm for automatic binarization, improving segmentation accuracy..

Personal Project: Tumor Segmentation Model

- Developed a U-Net based model for tumor segmentation from ultrasound images with an accuracy of 63.19%.
- Implemented in Python using TensorFlow, Keras, and OpenCV for image processing and model training.
- Utilized libraries like NumPy, Matplotlib, and scikit-learn for data preprocessing and evaluation.

Group Project: Student Management System

- Team Leader.
- Designed and implemented a student management system using C#, focusing on UI design and MySQL database integration.
- Developed key functionalities for managing student categories, academic results, implemented statistical analysis features to support efficient decision-making.