TRUNG QUAN DO

SOFTWARE ENGINEER - INTERN

EDUCATION

- 4th Year Student at Faculty of Mathematics and Informatics, Hanoi University of Science and Technology.
- CPA: 3.95/4.0.

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Soc Son, Ha Noi

SKILLS

- **Basic Mathematics:** Calculus, Algebra, Probability and Statistics.
- **Applied Mathematics:** Data Structures and Algorithms, Discrete Mathematics, Optimization Methods.
- **Systems:** Decision Support Systems, Data Analysis.
- Programming Languages: C, C++, C#, Python.
- **Database Management:** Excel, Python, MySQL.
- **Communication:** TOEIC 550.
- **Soft Skills:** Technical Writing and Presentation, Leader.

AWARDS

- Received excellent academic scholarship for 6 semesters.

CAREER OBJECTIVE

- Become a Software Engineer within 5 years, specializing in designing and developing efficient, scalable, and reliable software systems.
- Leverage expertise in software development and problem-solving to create innovative solutions that enhance workflows and drive impactful results.
- Contribute to the development of modern applications with a strong focus on performance, scalability, and maintainability.

PROJECT

Group Project: Student Management System.

Role: Team Leader
Technologies Used: Python (Tkinter), MySQL
Description:
Developed a desktop application for student management with key features:

- Category Management: Managed students, lecturers, classes, subjects, and academic activities.
- Academic Performance Management: Enabled querying, updating, and generating reports based on student grades.
- Reports: Generated detailed statistical reports to support analysis and decision-making.

Group Project: Data Warehouse and Business Intelligence for Transportation Delivery Center.

Role: Team Leader
Technologies Used: Python (Pandas, NumPy, scikit-learn), MySQL
Description: Developed a Data Warehouse and BI system for a Transportation Delivery Center:

- Built an ETL pipeline for data cleaning, transformation, and KMeans clustering.
- Aggregated data and created OLAP tables in MySQL for BI analysis.
- Automated the ETL process with Python and Task Scheduler for real-time updates.

Personal Project: Tumor Segmentation Model.

- Developed a deep learning-based U-Net model for tumor segmentation from ultrasound images, achieving 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.