

# Nguyen Ngoc Tri Vi (Thomas)

AI Engineer Fresher

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 [nntrivi2001](#)

## Summary

Final-year Data Analyst student at HCMC University of Industry and Trade (HUIT), with a passion for using AI to create innovative solutions for digital transformation in education. I enjoy collaborating with others, taking on challenges and making a positive impact in my community.


## Education

**Ho Chi Minh City University of Industry and Trade**

 Ho Chi Minh City, Vietnam

*Engineer of Data Analyst*

GPA: 3.68/4.0

 Oct 2020 – Aug 2024 (Expected)


## Certifications

[Supervised Machine Learning: Regression and Classification](#) 

Coursera  
Feb 2023

[Advanced Learning Algorithms](#) 

Coursera  
Jul 2023

[Unsupervised Learning, Recommenders, Reinforcement Learning](#) 

Coursera  
Apr 2024

[ChatGPT Advanced Data Analysis](#) 

Coursera  
Apr 2024

## Work experience

**VSTECH COMPANY LIMITED**

**Aug 2023 – Nov 2023**

AI Application Developer Intern

- Researched, applied, built, and evaluated models for character matching computations.
- Assisted in improving the model for detecting defective products in the production line.
- Evaluated and statistically analyzed the performance of the company's existing AI models.

## Skills

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### AI/Machine Learning:

- **Python programming:** Proficient in utilizing Python and its essential libraries and frameworks such as Keras, OpenCV, Tensorflow, PyTorch and more.
- **Machine Learning:** Knowledgeable in various concepts and experienced in working with both supervised and unsupervised machine learning models.
- **Mathematics:** familiarity with related concepts such as linear algebra, calculus, probability, and statistics.

**Database management:** Basic knowledge and familiarity with SQL Server, Neo4J, MongoDB for database management.

**Programming languages and Scriptings:** Familiarity with programming languages such as C/C++, C#, Java and scripts HTML/CSS for web development.

## Awards received

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Graduated as valedictorian of HUIT, Information Technology major (2024).

Second place in the 5th 'Essential IT Products and Topics' competition at HUIT (2024).

Consolation prize in the TOFAS competition (2023).

"Clean code" award and consolation prize in the "Finding talents and innovative IT products in the digital age" competition at HUIT (2022).

Excellent Student Award (2020-2021, 2023-2024) and Outstanding Student Award (2021-2023).

Merit scholarships for every academic semester (2020-2024).

## Interests and Hobbies


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Enjoy reading books to enhance knowledge and gain new insights.

Technology and innovation, especially in the field of AI.


Participating in sports like football, volleyball, badminton and jogging to stay healthy.

## Projects

Coursework	Name	<a href="#">Face Verification using Siamese Neural Network</a> 
	Description	<p>Use Kivy and KivyMD frameworks to build application interface and implement a face verification model employing a Siamese Neural Network with VGGFace as a sub-neural network.</p> <p>Processes cropped face images captured from the camera as input and computes the similarity score with face images stored in the database as output.</p>

Internship Project	Name	Incomplete product detection
	Description	<p>Utilize YOLOv8 to detect incomplete product based on quantity of screws/wave washers and percent of object out of frame. The images classified as "Not good" or "incomplete" will be deleted and summarize the number of remaining images and the number of deleted images in each folder.</p>

Internship Project	Name	Similarity estimation model for printed characters
	Description	<p>Using the Tensorflow framework to split the data into a test set and a training set, then proceed with preprocessing, augmentation, model creation, compilation, and training to obtain embedded vectors from the images.</p> <p>The model takes a cropped character image as input and learns the differences between each class, producing an embedded vector of the input image as output.</p>

Coursework	Name	<a href="#">Face recognition</a> 
	Description	<p>Detect faces in photos and real-time webcam streams using a user-friendly GUI. Accurate and efficient face recognition with Dlib and OpenCV.</p>

Another courseworks and Kaggle competitions	<p>Developed an application to practice image processing techniques and build a model for predicting heart disease.</p> <p>Took part in Kaggle competitions like predicting house prices, recognizing digits, and forecasting Titanic survival, achieved relatively high rankings.</p> <p>For more detailed information about these projects, please visit <a href="#">my GitHub page</a>.</p>	
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