Nguyen Ba Ngoc (Nguyễn Bá Ngọc)

Python Developer

Nguyen-Ba-Ngoc nbnml2002@gmail.com nguyen378 nguyen378.github.io

Summary

Final-year Data Science and Artificial Intelligence student at Ho Chi Minh City University of Industry and Trade (HUIT) with a strong foundation in machine learning and software development. Seeking an internship position to gain practical experience and contribute to innovative AI projects. Adept at problem-solving and collaborating in team environments.

Education

Ho Chi Minh City University of Industry and Trade Ho Chi Minh City, Vietnam

Bachelor of Data Science and AI GPA: 3.36/4.0 Oct 2020 – Aug 2024 (Expected)

Skills

Proficient:

- **Python libraries:** NumPy, Scikit-learn, Keras, TensorFlow, Tkinter

Familiar:

- **Machine Learning:** Supervised and unsupervised learning models
- **Android**: Java programming
- **Database Management**: SQL Server, MongoDB, Neo4J
- **Programming languages and Scriptings:** C/C++, C#, Java, HTML/CSS

Soft Skills: Independent and collaborative work, strong presentation, critical thinking

Awards received

Achieved the “Clean code” award and consolation prize in the "Finding talents and innovative IT products in the digital age" competition at HUFI.

Received a scholarship from the school.

Activities

Attended data science and AI conferences or workshops.

Participated in competitions and activities about programming at school.

Member of 'Tình nguyện xanh' club: Distributed meals to underprivileged individuals, organized playgrounds for children in disadvantaged areas

Regularly donate blood to help others and support community health initiatives.

Projects

Coursework	Name	Traffic light optimization based on vehicle traffic density
	Detail	Using the YOLOv10 model to classify vehicle traffic density, thereby applying a formula to calculate the time difference between routes.
	GitHub	nguyen378/Thesis
Coursework	Name	Secure Memo
	Detail	Building face authentication functionality using Siamese Neural Network My role: Developing the application and the facial recognition feature.
	GitHub	nntrivi2001/SecureMemo
Coursework	Name	Family Tree
	Detail	The project involves building a family tree application using Java and Neo4j. My role: Creating interfaces for adding, deleting, and editing information of family members, as well as functionalities for adding, deleting, and editing relationships among family members.
	GitHub	nguyen378/FamilyTree
Kaggle Competitions	Name	Digit Recognizer
	Detail	Correctly identify digits from a dataset of tens of thousands of handwritten images(MNIST). Using CNN for prediction, with a score: 0.98282
	GitHub	nguyen378/Digit-Recognizer
Kaggle Competitions	Name	House prices
	Detail	Predict the sales price for each house. Using ExtraTreesRegressor for prediction, with a score: 0.30938.
	GitHub	nguyen378/HousePrices
Kaggle Competitions	Name	Titanic
	Detail	Predicts which passengers survived the Titanic shipwreck. Using XGBoost for prediction, with a score: 0.76555.
	GitHub	nguyen378/Titanic
	Name	Spaceship Titanic

Kaggle Competitions	Detail	Predict which passengers are transported to an alternate dimension. Using Random Forest for prediction, with a ranking of 550/2260.
	GitHub	nguyen378/SpaceshipTitanic

Coursework	Name	CringeMPOne
	Detail	Music streaming application inspired by ZingMP3. My role: Developing song search functionality, connecting, and storing user data on Firebase.
	GitHub	CringeMPOne

Coursework	Name	Stroke disease prediction with GUI
	Detail	Stroke disease prediction using SVM, Decision Tree, MLP with GUI. Connect to database (SQL Server), save and show medical record of specific patient through primary key.
	GitHub	nguyen378/StrokePrediction

Coursework	Name	Image Processing with GUI
	Detail	Sharpen, blurred, segmentation, boundary extraction, feature extraction image(s) by many techniques with GUI.
	GitHub	nguyen378/ImageProcessing

Interests and Hobbies

Technology and innovation, especially in the field of AI

Cooking delicious meals for my family

Exercising and playing badminton to maintain good health