**Nguyen Ba Ngoc (Nguyễn Bá Ngọc )**

**Third-year student majoring in Data Science and Artificial Intelligence**

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**Summary**

Fourth-year Data Science and Artificial Intelligence student at Ho Chi Minh City University of Industry and Trade. As someone who pays attention to health issues, I desire to apply AI in the field of healthcare. I have a calm and compose demeanor when facing difficulties and always seek solutions to resolve problems

**Education**

**Ho Chi Minh City University of Food Industry** Ho Chi Minh City, Vietnam

*Bachelor of Data Science and AI* GPA: 3.11/4.0 Oct 2020 – Aug 2024 (Expected)

**Skills**

**Programming Languages**: Competent in using Python and Java to build projects.

**Machine Learning Algorithms**: Understand and utilize various Machine Learning algorithms such as Linear Regression, Decision Trees, Random Forests, Neural Networks, Support Vector Machines (SVM), and others.

**Data Preprocessing**: Skilled in data processing and preprocessing to prepare data for training.

**Data Visualization**: Familiar with tools like Matplotlib and Seaborn for data visualization to better understand patterns and features of data.

**Machine Learning Frameworks**: Competent in using Machine Learning frameworks like TensorFlow, PyTorch, Scikit-learn to build and train models.

**Deep Learning**: Familiar with working with Deep Learning models such as Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), and Transformers.

**Database and SQL**: Skilled in working with databases and querying data using SQL.

**Cloud Computing**: Knowledgeable about Cloud services like Google Cloud.

**Problem-Solving**: Capable of analyzing and solving problems related to Machine Learning.

**Communication Skills**: Effective communication and clear presentation of project results.

**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.

I am a member of the 'Tình nguyện xanh' club participating in activities such as distributing meals to underprivileged individuals and organizing playgrounds for children in disadvantaged areas.

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

**Interests and Hobbies**

Enjoy learning and practicing various ways to care for and improve health.

Technology and innovation, especially in the field of AI.

**Projects**

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| Kaggle Competitions | Name | Spaceship Titanic |
| Detail | Predict which passengers are transported to an alternate dimension.  Using Random Forest for prediction, with a ranking of 550/2260. |
| GitHub | [nguyen378/SpaceshipTitanic](https://github.com/nguyen378/SpaceshipTitanic) |
|  | | |
| 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](https://github.com/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](https://github.com/nguyen378/ImageProcessing) |