**Nguyen Ba Ngoc (Nguyễn Bá Ngọc )**

**Machine learning Intern**

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**Summary**

Fourth-year Data Science and Artificial Intelligence student at Ho Chi Minh City University of Industry and Trade (HUIT). With the aim of becoming an artificial intelligence engineer, I am currently seeking internship positions to gain practical experience.

**Education**

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

*Bachelor of Data Science and AI* GPA: 3.18/4.0 Oct 2020 – Aug 2024 (Expected)

**Skills**

**Proficient:**

* **Python languages:** Proficient in using libraries including: NumPy, Scikit-learn, Keras, TensorFlow, and Tkinter.

**Familiar:**

* **Machine Learning:** Knowledgeable in various concepts and experienced in working with both

supervised and unsupervised machine learning models.

* **Android**: Knowledgeable and experienced in developing Android mobile applications using the Java programming language..
* **Database Management**: Basic knowledge and familiarity with SQL Server, MongoDB, Neo4J for database management.
* Programming languages and Scriptings: Familiarity with programming languages such as C/C++, C#, Java and scripts HTML/CSS for web development.

**Soft Skills**: Capable of working independently and collaboratively with team members, effectively meeting project deadlines. Strong presentation and critical thinking skills.

**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**

Technology and innovation, especially in the field of AI.

Cooking delicious meals for my family

I have a habit of exercising and playing badminton to maintain good health.

**Projects**

|  |  |  |
| --- | --- | --- |
| 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](https://github.com/nntrivi2001/SecureMemo.git) |
|  | | |
| 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](https://github.com/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](https://github.com/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](https://github.com/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](https://github.com/nguyen378/Titanic) |
|  | | |
| 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 | CringeMPOne |
| Detail | Music streaming application inspired by ZingMP3.  My role: Developing song search functionality, connecting, and storing user data on Firebase. |
| GitHub | [CringeMPOne](https://github.com/dat911zz/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](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) |