



**Nguyễn Minh Đức**

**Student**

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## Summary

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I am a third-year student pursuing a degree in Computer Science with a strong focus on software development. I have hands-on experience in database management and web application development, particularly using Sequelize to manage complex data models. I have developed a Library system for book borrowing and am currently building a Large Language Model (LLM) application for web and mobile platforms. I am highly motivated, detail-oriented, and possess a strong passion for learning and innovation. My collaborative spirit and positive attitude drive me to continuously improve my skills and contribute to impactful projects in the IT industry.

## Technical Skills

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- **AI / Machine Learning/ Big Data:** Python, PyTorch, Github, MySQL, MongoDB, PostgreSQL, Machine Learning, Data Analyst, Data Structure & Algorithm.
- **Data:** PostgreSQL, MongoDB, MySQL.
- **Web Developer:** Back-End, Restful API, Firestore.

## Work Experience

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**Teky | 07/2023 - 09/2023**

**Teaching Assistant**

**Responsibilities**

Support the teacher to teach secondary students about web development.

**Technologies:**

Python

## Education

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**Vietnamese German University | 10/2021 - Present**

**Major: Computer Science**

**Frankfurt University of Applied Sciences | 09/2023 - 02/2024**

**Major: Computer Science**

An exchange semester in Frankfurt, Germany with fully-granted DAAD scholarship.

## Projects

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**Project:** Library Management System

**Time:** 03/2024-06/2024

**Description:**

Allow users to borrow and return books. A late fee will be charged unless the user returns the book on time.

**Project:** Distributed Real-time chat application

**Time:** 04/2024-06/2024

**Description:**

A web application for chatting among users using Firebase for Data backups and also solve the problem of Fault-tolerance, Scalability and Availability.

**Project:** File\_Based\_Chatbot

**Time:** 06/2024-07/2024

**Description:**

Allow users to input many files, then the bot will answer any questions from user based on provided files.

**Project:** Object Tracking

**Time:** 02/2023-03/2023

**Description:**

Detect humans with bounding boxes

## Certificates

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12/2022: Using Python for Research

A certificate issued by Edx online course

## Activities

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### **MATH WARS PROJECT (MWP) | 09/2021 - 06/2023**

- Staff in the Support Team to provide Math documents for publishing on the organization's page.

### **ROBOTICS AND ELECTRONICS CLUB (REC) | 10/2021 - Present**

- Participants in the competition "RoboDohyo 2022" of VGU.

- Logistic Staff in the competition "RoboDohyo 2022" of VGU.

### **NEW ZEALAND EDUCATION FAIR | 04/2023 - 04/2023**

- Working as an interpreter for a college located in New Zealand.

## Honors and Awards

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### **11/2023: Frankfurt UAS Contest\_Herbst Programming Day 2023**

- Won the 1st prize.

- One of representatives for Frankfurt UAS joining The 2023 ICPC Northwestern Europe Regional Contest organized at Delft University of Technology in the Netherlands.

### **10/2023: Cloudfight Coding Contest**

- Won the 1st prize with team in the AI board in Frankfurt area.

### **05/2023: Fully-granted DAAD Scholarship**

- I was selected among the Top 30 students in the CSE department of Viet Duc University and received full sponsorship for tuition fees, living expenses, and transportation in Germany for a period of 6 months.

## Languages

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- English: IELTS 6.5

- German: B1

## Additional Information

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- During my six months in Germany, I gained substantial experience following the ICPC contest. I learned how to work effectively in groups and manage time efficiently while solving a variety of problems, gaining insights from students at TU Delft, which is ranked 49th in the QS World University Rankings. Additionally, I established valuable connections with students in the Northwestern Europe area.

- I had the opportunity to explore state-of-the-art technologies in developed countries, which inspired me to pursue a career as an AI engineer to contribute to societal development.

- I was invited to intern at Huawei Technologies Europe Research Centers. However, due to my short stay in Germany, I was unable to accept this invitation.