NGUYEN NAM HY

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A third-year student of Data Engineering passionate about competitive programming

EDUCATION

HCMC University of Technology and Education   1 Vo Van Ngan, Thu Duc, HCMC
Data Engineering   *Sep 2022 - Expected: 2026*

TECHNICAL SKILLS

Programming Languages: Python, C++, Java
Big Data & Frameworks: Apache Hadoop, Apache Pig, Apache Spark
Databases: SQL Server, MySQL
Dataframe Library: Python Pandas
Version Control: Git
Business Intelligence: Apache Superset
Cloud Platform: AWS

AWARDS & CERTIFICATES

- **AWS Academy Graduate - AWS Academy Cloud Foundations**
- **Third Prize**, 2024 ICPC Vietnam National Programming Contest
- **Second Prize**, 2023 Vietnam Student Informatics Olympiad
- **Third Prize**, 2023, 2024 ICPC Vietnam Southern Programming Contest
- **Third Prize**, 2024 Da Nang Code League (Top 11 out of 300)
- **First Prize**, 2024 HCMUTE Informatics Olympiad

PROJECTS

Katuk
Directory Bookmarking CLI written in Rust

- A personal project to familiarize myself with the Rust programming language.
- Katuk allows me to quickly navigate my frequently used directories by bookmarking them.

PUBLICATIONS

Khai thác mẫu phổ biến tối đại có trọng số dựa trên cấu trúc N-LIST.
VNICT2024: The 27th Vietnam Conference of Selected ICT Problems - VNICT2024. (48) 306-311. 2024.

- My first conference paper which proposed a method to mine maximal frequent itemset in weighted transaction databases.
- Citation: Nguyễn, N. H. et al. (2024). Khai thác mẫu phổ biến tối đại có trọng số dựa trên cấu trúc N-List. Hội Thảo Quốc Gia Lần Thứ XXVII: Một Số Vấn Đề Chọn Lọc Của Công Nghệ Thông Tin Và Truyền Thông.

EXPERIENCE

The IT Olympiad Team HCMC University of Technology and Education
Member   *Sep 2020 - Now*

- Studying competitive programming, algorithms, and data structures.
- Solving problems and competing in online contests on platforms like Codeforces.

Codeforces
Max rating: 1764

- With that peak rating, I have achieved Expert title on Codeforces.
- Solved over 2000 problems on Codeforces and some other problems on other websites.

Solved.ac
Rank Diamond II

- By solving over 200 problems with mostly at Platinum and Diamond difficulty, I have achieved the rank Diamond.

EXTRACURRICULAR ACTIVITIES

- **Competitive Programming Trainer** at Saigon University - Nov 2024.