Tran Minh Nhat

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EDUCATION

Ho Chi Minh city University of Technology (HCMUT), Vietnam (Sep 2020–now)
Bachelor of Engineering in Electrical and Electronics Engineering.
Current GPA: 8.2/10.0 and Major GPA: 7.89/10.0
(The Honor program of Telecommunications Engineering)

ACADEMIC PROJECTS

Volume Control Using Hand Gesture Using Python and OpenCV (2021)
https://github.com/nhatVNU/Gesture-Volume-Control
- **Description:** The camera in our device is used for this project. It detects our hand with points in it so as it can see the distance between our thumb finger tip and index finger tip. The distance between the points 4 and 8 is directly proportional to the volume of device

Singular Value Decomposition SVD and Noise Reduction (2022)
https://github.com/nhatVNU/Singular-Value-Decomposition-SVD-and-Noise-Reduction
- **Role:** Member.
- **Description:** Project in the course "Linear Algebra" 2022, Faculty of Electrical & Electronics Engineering, HoChiMinh city University of Technology.

QR Factorization Using Householder Transformations (2022)
https://github.com/nhatVNU/QR-Factorization-Using-Householder-Transformations
- **Role:** Member.
- **Description:** Project in the course "Linear Algebra" 2022, Faculty of Electrical & Electronics Engineering, HoChiMinh city University of Technology.

BrainTumor Classification Deep-Learning (2021)
https://github.com/nhatVNU/BrainTumor-Classification-Deep$_{Learning}$

AC-DC Converter Rectifier (2021)
https://github.com/nhatVNU/AC-DC-Converter-Rectifier

HONORS

Honor Class (Sep 2021)
Be elected to the Honor Class of Electronics & Telecommunications, Ho Chi Minh city University of Technology.

City Excellent Student (Mar 2018)
Second prize of the Excellent Student in Chemistry, organized by the Department of Education Training, Soc Trang city, Vietnam.

EXTRA COURSES

Machine Learning (Jan 2022-Mar 2022)
Taught by Prof. Andrew Ng on Coursera
Final grade: 98.43%

MOOC HarvardX CS50 (Nov 2020 - Mar 2021)
Taught by David J. Malan on Hardvard University, CS50.
Passed as a public online course

Computer Vision With Arduino (2021)
Murtaza's Workshop - Robotics and AI, Youtube.
Passed as a Youtube public online course

Machine learning with Python (2021)
IBM Cloud, Coursera.

SKILLS

Language: C++, Embedded C, MCU 8051 Assembly, Python, Matlab,
Tool: ISIS Proteus, KeilC uvision,
General: Embedded System