

Ngo Nhat Nguyen

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🌐 GitHub: github.com/NhatNguyenYn

OBJECTIVE

Aspiring electronics and robotics engineer with a strong interest in Artificial Intelligence and Embedded Systems. Incoming freshman at the University of Science - Vietnam National University, Ho Chi Minh City. Eager to contribute to academic research and innovative projects as a foundation for graduate studies at MIT.

EDUCATION

Tran Van Giau High School, Ho Chi Minh City, Vietnam

Graduated: 2025 • GPA: 8.7 / 10

University of Science (HCMUS), Vietnam National University – Class of 2029 (expected)

Major: Electronics and Telecommunications Engineering (English-intensive program)

SKILLS

Technical: Python, C++, Git/GitHub, HTML/CSS/JS, Flask, Pygame, AI Fundamentals, MediaPipe, OpenCV, MS Office

Soft Skills: Teamwork, Communication, Leadership, Problem-solving, Independent Learning

Languages: Vietnamese (native), English (IELTS 6.0 Academic)

HIGHLIGHTED PROJECTS

- **Weather Aura** – HTML/CSS/JS, API, Animation
Full-stack weather dashboard with real-time forecasts, bilingual support, user authentication, and animated UI. Designed for responsive performance and user experience.
- **Rock Paper Scissors AI Webcam** – Python, MediaPipe, Voice Commands
AI-powered game using real-time hand gesture detection and voice interaction. Combines computer vision and natural interfaces into a fun web experience.

- **Personal Portfolio Website** – HTML/CSS, JavaScript, i18n
Bilingual (Vietnamese–English) personal portfolio with dynamic modals, language switching, dark mode, and optimized JS structure.
 - **Gesture Control Framework** – Python, OpenCV, MediaPipe
Human-computer interaction system enabling webcam-based gesture control. Includes modules for virtual painting, mouse control, and volume adjustment.
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COMPETITIONS & ACHIEVEMENTS

- **National Second Prize** – “Students with Startup Ideas 2023” (HSSV Startup)
Role: Marketing & presentation, event organization
 - **Finalist** – HCMC Youth Informatics Contest 2025 (Project: Smart Student Management Software)
 - **Gold Medal** – Badminton (Men’s Singles & Mixed Doubles), Gò Vấp & Bình Thạnh District (2024–2025)
 - **Participant** – Charity Runs (10km): Run For Em, Non Hong
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CERTIFICATIONS

- IELTS Academic 6.0 (2025)
 - Microsoft Office Specialist – Associate (2025)
 - Applied & Advanced Computer Literacy (DoET Certified, 2018)
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INTERESTS & GOALS

- **Interests:** Robotics, Physics, Software Engineering, Sports, Public Speaking, Startups
- **Goals:** Publish research, earn global scholarships, pursue graduate study at MIT in Robotics & AI, and contribute to human-centered technology innovations.