Ye Yint Nyo Hmine

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Education

Student | Albany High School, Albany, NY   GPA: 4.0

Graduation date: July 2026, Junior

Clubs: Physics Club(Founder & President, led 25+ students), FRC Robotics(lead-programmer), Newspaper club, +2

Courses(until current): AP CSP, AP World, AP Euro, AP Calc BC, AP US History, AP Lang and Comp, AP Chemistry, AP Physics C Mech, etc …

Student | BWSI by MIT Lincoln Laboratory, Cambridge, MA

Course: Accepted to Autonomous Cognitive Assistant (CogWorks)   Date: Summer of 2024

- Learned topics about Version control, Audio Processing, Image Classification, and LLMs from ground-up
- Used & Managed 7 billion+ combined data for training and fine-tuning
- Worked with a team of 5 highly talented students to work on 3 Capstone Projects & Final Project
- Developed an LLM security system aimed at preventing danger for homes with LLM for the Final Project

Experience

Founder | Artic Quests (Non-Profit)   June 2024 - Present

Origin: Albany, NY, Current: Global

- Directed and led a team to provide free premium education to underprivileged communities and countries
- Created 3, 30 days courses about CS(Python to Deep Learning), Saas, Networking, etc …

Student Researcher | NASA funded & contracted research team   Nov 2023 - Dec 2023

Workplace: Remote

- Work with a team of 15+ undergrads, doctorates, and post-doctorates along with leading researchers in the field
- Learned valuable lessons for Deep Space Networking and contributed to the project

Skills & Industry Tools

Programming

- **Languages:** Python, C#, HTML/CSS, Javascript, Bash, Java
- **Tools:**
  - **Data/Machine Learning:** PyTorch, TensorFlow, Scikit, Keras, Panda, HuggingFace, OpenAI, OLlama, Mistral, Langchain, OpenCV, Kaggle, Nvidia Cuda, NLTK, Gensim, Jupyter, SciPy, Numpy, Matplotlib
  - **Version Control:** Git/GitHub, GitLab, Shell
  - **Environment Management:** Anaconda, Oracle VirtualBox, Docker
  - **Web:** Selenium, Flask, BeautifulSoup, PyautoGUI, Django, Requests
  - **App/Game/UI development:** Pygame, Tkinter, Unity, Kivy, Godot

Project & Product Management

- **Tools:** Google Docs/Sheets/Slides, Notion, ChatGPT, Claude, Gemini, Figma, Canva, SemRush, SEO, Trello, Asana, Wix/Godaddy/SquareSpace/ghost, Miro, Cursor AI
- **Languages:** English(Native), Burmese(Native), Spanish(Limited), Arabic(Elementary) Russian(Elementary)

Projects • github.com/Ye-Yint-Nyo-Hmine

Semantic Image Search   July/24/2024 - July/26/2024

- Worked with 5 students from across the nation during the BWSI summer program to develop a text-to-image search using natural language processing and term frequency-inverse document frequency.
- Developed and trained a Neural Network from scratch

Simulating Fluid Dynamics   Nov/12/2023 - Nov/24/2023

- Collaborated with a friend from Czechia, aimed to provide a user-friendly and efficient platform for simulating fluid flow, understanding complex fluid dynamics phenomena, and optimizing designs.

Autonomous Distraction Detection System   July/12/2023 - August/4/2023

- Aimed to reduce fatal traffic accidents caused by distractions
- Developed using a pre-trained Neural Network, OpenCV, and Mediapipe by Google

Honors & Awards

- FIRST Creativity Award   - Certificate of Merit from New York State Assembly
- American Citizenship Award   - 1st Place Winner at National Museum Art