

Phyo Sandar Win

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EDUCATION

Nanyang Technological University (NTU), Singapore

Aug 2022 – Present

Bachelor of Computing (Hons) in Computer Science

- **Expected Graduation:** June 2026
- **Latest CGPA:** 4.62 / 5.0 (Honours - Highest Distinction)
- **Relevant Courses:** Artificial Intelligence, Machine Learning, Natural Language Processing, Neural Networks and Deep Learning, Data Visualisation, Software Engineering, Data Structures and Algorithms

CERTIFICATIONS

- Google Advanced Data Analytics, Google Project Management, Google Business Intelligence
- NTU URECA President Research Scholar: AY 24-25 (Distinction), AY 23-24 (Merit)

SKILLS

- **Programming:** Python, C, Java, JavaScript, TypeScript, PHP
- **Frameworks/ Tools:** Next.js, ReactJS, React Native, Docker, MySQL, PostgreSQL, Supabase, Streamlit
- **ML/ AI:** TensorFlow, PyTorch, LangChain, Dagster, Plotly, Tableau
- **Languages:** English, Mandarin, Burmese

INTERNSHIP EXPERIENCE

DSBJ Pte Ltd, *Data Science Intern*

Dec 2024 – Jun 2025

- Deployed and containerised a fully automated, end-to-end AI-powered Accounts Receivables prediction pipeline using **Dagster** and **Docker**, presented to C-suite finance leaders.
- Utilised **Azure** OpenAI models for prompt engineering and material taxonomy categorisation.
- Conducted proof-of-concept analyses with efficient **machine learning clustering algorithms** for procurement, enabling item similarity insights.

PROJECTS

Autism Behaviour Classification with Video-Action Models (Research)

Sept 2024 – Jun 2025

- Fine-tuned video action detection model (SlowFast R50) with **PyTorch** to classify autism behaviours.
- Explored pose-detection algorithms on video datasets of children with autism spectrum disorder.

Emotion Analysis with Deep Learning on Brain Signals (Research)

Sept 2023 – Jun 2024

- Pre-processed EEG brain signal data and transformed into spatiotemporal representations.
- Applied transfer learning with 3D-CNN (MobileNet V2) **PyTorch** model for emotion classification.

Ecospeaks.ai – AI Environmental Assistant (Microsoft AI Hackathon 2024)

Jun 2024

- Collaborated with non-computing students to build an AI-powered chatbot with **LangChain** and **Retrieval Augmented Generation (RAG)**.
- Chatbot is equipped with real-time environmental news retrieval and question generation capabilities.
- Enhanced LLM response quality with prompt engineering.

AutoInsights – AutoML web application (TikTok TechJam 2024)

Jun 2024

- Created a user-friendly **Streamlit** AutoML app for classification and regression tasks with **PyCaret**.
- Automated data pipeline stages such as exploratory data analysis (EDA), model training, hyperparameter tuning and evaluation.

HACKATHONS

- GovTech x NTUPC Product Challenge 2025 – Semi-Finalists
- ShopBack x NTUPC Product Challenge 2025 – 2nd Runner-up
- Grab x NTUPC Product Hackathon 2025 – Top 8 teams
- NTU CCDS TechFest Challenge 2025 – Top 10 Teams
- DSTA BrainHack 2025 Til-AI Challenge – Participant
- DSTA BrainHack 2024 Code Exp Challenge – Participant
- TikTok TechJam 2024 – Participant
- Microsoft Developers AI Learning Hackathon 2024 – Participant