THU TA SITT

Full-Stack & AI Systems Developer | Computer Science Undergraduate

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AWARDS & INTERNATIONAL CERTIFICATES

Youth Scientific Excellence Award - NASA Space Apps Challenge 2026 - Yangon (Myanmar Space Agency) *Nov 2026*

- Awarded to Team INTERFELLAS for Lunaspis in recognition of innovative technical execution and positive community impact (signed by Dr. Soe Myint Maung, MSA).
- **International Hackathons & Assessments:** NASA Space Apps Challenge Yangon 2026 (Galactic Problem Solver, signed by Marc Kuchner, NASA); UNESCO Youth Hackathon 2026 (Team Nexora Leader, signed by Mariya Gabriel, ADG UNESCO); ASEAN GeoAI Fusion 2026 - GeoAI Explorer & Bootcamps 1-2 (Universiti Malaya-Wales & ASEAN/MCMC, ID: E-C-MM-178-279); AI Infra Summit & Alpaca AI Trading Agents Hackathons (lablab.ai).
- **International Technical & Global Certifications:** Machine Learning Specialization (Stanford Online / DeepLearning.AI - Andrew Ng, ID: EP5HKLWLB11N); AWS AI & Cloud Track (6 Certs: Generative AI Solutions, Developing ML Solutions, Responsible AI, AI Fundamentals, Cloud Practitioner Essentials); ITPEC IT Passport National Certification (MCF, ID: MMIP25S00205); Introduction to DevOps & Software Engineering (IBM); Introduction to MCP (Anthropic); Google Git & GitHub; MongoDB; WHO (IARC) & UNICEF Certificates.

SKILLS

Languages: TypeScript, JavaScript, Python, Java

Web & Real-Time: React, Next.js, Tailwind CSS, Node.js, Express.js, Spring Boot, WebSockets / Socket.IO

Data & ML: Pandas, NumPy, scikit-learn, Keras, XGBoost, RAG (pgvector), LLM APIs

Databases & Cloud: PostgreSQL, Supabase, MongoDB, Linux VPS (Self-Hosted Docker Containers), Git, AWS (Cloud Practitioner), Google Cloud

Spoken Languages: Burmese (Native), English (Fluent), Japanese (N5, in progress)

EXPERIENCE

Founder & Tech Lead - BibiVersus *2026 - Present*

- Building a bilingual (English/Myanmar) real-time 1v1 study arena and study-squad platform with live spectating, XP/MMR progression, and Telegram integration (Next.js, TypeScript, WebSockets, PostgreSQL).

Project Lead Developer - University of Information Technology (UIT), Yangon *May 2025 - Present*

- Lead student engineering teams from architecture through delivery, coordinating task ownership and code reviews across full-stack and applied-ML projects.

Research Volunteer - The Sprout Scouts (Remote) *Jun 2026 - Present*

- Support youth-led environmental research, data gathering, and sustainability initiatives (recognized under ROOT: Growing Together).

Private Tutor - Grade 12 - Physics, Chemistry, English *May 2024 - Jul 2026*

- Delivered one-on-one matriculation instruction; over 70% of tutored students passed with distinctions.

SELECTED PROJECTS

- **Lunaspis -** Youth Scientific Excellence Award Winner (Myanmar Space Agency, Team INTERFELLAS), NASA Space Apps Challenge Yangon, Nov 2026. 6-player co-op 3D orbital transit & ISS simulator with LC-39A launch, 6-DOF docking, Artemis Lunar Expedition, CubeSat deployment, and 7 NASA MDL consoles - Three.js, Express 5, Socket.IO, WebRTC, PostgreSQL, Docker/GMAT.
- **FraudShield -** 2026. Real-time banking fraud detection dashboard with a 99.93%-accuracy Keras classifier, 3-tier RBAC, device fingerprinting, and live transaction streaming - Next.js, TypeScript, Java 21 / Spring Boot 4, FastAPI, Supabase Realtime/RLS.
- **Precision Irrigation ML -** UNESCO-AI Fozan International Prize, 2026. Auditable computational-feasibility study benchmarking LR, Random Forest, and XGBoost against FAO-56 baselines across 1,800 counterfactual water-balance scenarios with chronological 60/20/20 splits and 24h embargo - Python, scikit-learn, XGBoost, Next.js.
- **Beacon.ai -** ASEAN GeoAI Fusion Hackathon (MCMC), Jul-Aug 2026. Real-time disaster response platform fusing NWS, USGS, and NASA FIRMS feeds with OSRM/Leaflet evacuation routing and a FastAPI GeoAI sidecar for NDWI flood and SAM burn-scar mapping.
- **NodeForge.ai -** ReverieHacks, Aug 2026. 4-node agentic code-review and security pipeline with side-by-side baseline scoring, PR review, and SARIF/JSON export - Next.js, TypeScript, OpenRouter.
- **RazorStack Trading -** Alpaca AI Trading Agents Hackathon, Aug-Sep 2026. Quantitative paper-trading platform separating a multi-agent research desk from a deterministic Python risk engine - Next.js, FastAPI, Alpaca API.
- **CLICKWISE AI -** UNESCO Youth Hackathon, Oct 2026 (Team Nexora Leader). Multimodal AI awareness and Media Information Literacy platform for text/image/audio/video detection and gamified quizzes - React, Supabase, Groq API.

EDUCATION & TRAINING

Bachelor of Computer Science (B.C.Sc.) - University of Information Technology, Yangon *2024 - 2028*

GCI World (Global Course on AI) - Matsuo & Iwasawa Laboratory, University of Tokyo *Sep 2026 - Present*

Training: MERN Stack Program (Strong Force Tech, Dec 2024 - Apr 2025); CCNA Training (Jun - Nov 2024); Web Development Fundamentals (Creative Coder Myanmar, Sep - Nov 2024); Japanese Language Study, N5 (Jishin, Nov 2025 - Present).

REFERENCES

Ms. Me Me Ko - Associate Professor, Faculty of Computing, University of Information Technology (UIT), Yangon | memeko1978@uit.edu.mm