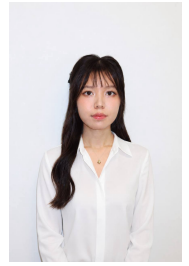


# MAY THET NAING BO

Software Developer | Full-Stack Development | Automation & Application Support  
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**Portfolio Website:** <https://maythetnaingbo.com>

**LinkedIn:** <https://www.linkedin.com/in/may-thet-naing-bo>

**GitHub:** <https://github.com/MayThetNaingBo>

## SUMMARY

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Diploma in Information Technology student with hands-on experience in full-stack web development, secure backend API development, AI automation, documentation, debugging, and deployment support. Experienced in building user-facing applications, and supporting users through clear communication. Interested in Industry 4.0, RPA, DevOps, cybersecurity-aware development, and operational technology solutions.

## EDUCATION

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### Temasek Polytechnic

*Diploma in Information Technology*

Singapore

*April 2023 – May 2026*

### DHS Dagon High School, North Dagon

*Completed high school with 4 distinctions in Mathematics, Physics, Chemistry & Biology*

Yangon, Myanmar

*June 2021 – March 2022*

## PROJECTS

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**Project Portfolio:** Please visit <https://maythetnaingbo.com> for further elaboration of my projects.

### CodeGuard AI | *NestJS, Prisma, PostgreSQL, JWT, Gemini AI, Docker, Render, Vercel*

- Developed a secure full-stack code analysis platform following backend API design, testing, debugging, and deployment practices.
- Built authentication, role-based access control, scan history management, rate limiting, and user usage tracking.
- Integrated Gemini AI to support automated vulnerability assessment, security scoring, and code review workflows.
- Deployed the application using Render and Vercel, supporting production-like environment configuration and troubleshooting.

### EDU-Family | *Next.js, React, TypeScript, Tailwind CSS, Context API, Responsive Web Design*

- Developed the official website for EDU Family Private High School, a real private educational institution in Myanmar, in collaboration with the client.
- Translated client requirements into responsive pages for admissions, academics, achievements, galleries, and contact information.
- Implemented bilingual English/Myanmar language switching using React Context API to support different user groups.
- Maintained project structure, content updates, and ongoing feature improvements based on client feedback.

### Merlion FX | *Python, Flask, PayPal Sandbox, Polygon.io API, CBM API, GNews API, Bootstrap, JavaScript*

- Developed a Python Flask web application for currency conversion, FX rates, payment flow, and financial data visualization.
- Integrated multiple external APIs for real-time rates, Myanmar CBM rates, historical charts, and forex news.
- Built dashboard-style pages for FX visualization, MMK-to-SGD conversion, result tracking, and simple forecasting.
- Tested and debugged API, payment, and frontend issues during deployment and environment configuration.

### ConcertHub | *React, Node.js, Express.js, MongoDB, Stripe, Socket.io, Cloudinary*

- Developed a full-stack concert ticket booking web application with user, admin, and booking management features.
- Implemented JWT authentication, protected routes, real-time seat reservation, expiry, cancellation, and dynamic pricing.
- Integrated Stripe Checkout and QR-code ticket generation to support end-to-end booking workflows.

- Debugged real-time booking issues and improved user flow for seat selection and admin operations.

**VHC** | *Flutter, Dart, Firebase Authentication, Cloud Firestore, Dialogflow, Local Notifications*

- Developed a Flutter health coaching app with wellness content, reminders, and chatbot support.
- Implemented Firebase Auth for login, verification, reset, logout, and account deletion.
- Added age-based health reminders with step and sleep notifications.
- Integrated a Dialogflow-powered chatbot to support user questions about wellness, hydration, sleep, and physical activity.

**Arising Starlights** | *HTML, CSS, JavaScript, Firebase / Database, Web Application Design*

- Developed a Theatre CCA web application for admins, members, and public users.
- Added role-based access for member, event, and registration management.
- Built public browsing with restricted access to protected features.
- Implemented authentication, OTP reset, event registration, notifications, search, and profile editing.

**CCN Carnival** | *Solidity, Smart Contract, MetaMask, Sepolia*

- Built a blockchain-based carnival stall management system with organizer, stall owner, and buyer roles.
- Implemented stall registration, purchases, donations, refunds, and fund withdrawals.
- Added access control, payment records, and refund protection rules.
- Connected the smart contract to a frontend using MetaMask on Sepolia.

**WORK EXPERIENCE**

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**AI Automation Engineer Intern**

*Tertiary Infotech Academy Pte Ltd*

September 2025 – February 2026

*Woodlands, Singapore*

- Supported AI automation workflow exploration, documentation, and basic testing activities.
- Assisted in understanding user requirements and translating workflow needs into simple automation-related tasks.
- Prepared documentation and learning materials to support internal users and training activities.
- Gained exposure to real-world automation use cases, troubleshooting, and business process improvement.

**Part-Time Banquet Server**

*Shangri-La Hotel*

Sep 2023 – Apr 2026

*Orchard, Singapore*

- Supported large-scale formal, VIP, and government events in a fast-paced operational environment.
- Coordinated with kitchen, service, and event teams to resolve on-site requests and ensure smooth operations.
- Developed strong communication, teamwork, and service-oriented problem-solving skills while supporting guests and internal teams.

**LICENSES & CERTIFICATIONS**

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**Software Development Life Cycle (SDLC)** | *LinkedIn Learning*

Issued Nov 2024

**Git Essential Training** | *LinkedIn Learning*

Issued Nov 2024

**Basic Proficiency in KNIME Analytics Platform** | *KNIME*

Issued Aug 2023

**Windows 11: Security** | *LinkedIn Learning*

Issued Jul 2023

**TECHNICAL SKILLS**

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**Programming Languages:** Python, JavaScript, TypeScript, SQL, HTML/CSS, Dart

**Full-Stack Development:** React, Next.js, Node.js, Express.js, NestJS, Flask, Flutter

**Databases:** PostgreSQL, MySQL, MongoDB, Firebase Firestore

**DevOps & Deployment:** Git, Docker, Render, Vercel, AWS Cloud Deployment, Google Cloud Platform

**Data & Dashboards:** Power BI, KNIME, Microsoft Excel, pandas, NumPy, Matplotlib

**Security:** JWT Authentication, Role-Based Access Control, Rate Limiting, OWASP Top 10, Application Hardening

**Relevant Exposure:** AI Automation, Workflow Documentation, Application Support, User Support, Basic Cloud Monitoring

**SOFT SKILLS**

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- Strong problem-solving and analytical thinking
- Clear communication with both technical and non-technical users
- Service-oriented mindset in supporting users and daily operations
- Comfortable collaborating with team members in fast-paced environments

## CO-CURRICULAR ACTIVITIES

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### **Temasek Polytechnic International Student Group (TPISG) | Subcommittee Member**

- Planned and facilitated bonding activities and icebreaker games to welcome new international students and encourage peer connections.

### **Temasek Polytechnic SENvocates | Member**

- Volunteered to support students with disabilities and promote an inclusive campus environment.

## REFERENCES

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**Salena Mohd Saleh**

*Temasek Polytechnic*

**Qi Yutao**

*Temasek Polytechnic*

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