

# MAY THET NAING BO

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

- Developed an AI-powered secure code analysis platform with authentication, role-based access, and scan history management.
- Implemented static code scanning, AI-driven vulnerability assessment, and security scoring using Gemini AI.
- Built secure backend APIs with NestJS, Prisma ORM, PostgreSQL, JWT authentication, and rate limiting.
- Deployed full-stack application using Render and Vercel with email verification and user usage tracking.

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

- Developed a full-stack concert ticket booking web app with seat selection and booking management.
- Implemented JWT authentication with protected user routes and admin concert controls.
- Built real-time seat reservation, expiry, cancellation, and dynamic pricing using Socket.io.
- Integrated Stripe Checkout and QR-code ticket generation.

### 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.

### Aqua-IQ | *IoT, AWS IoT Core, AWS Lambda, DynamoDB, Amazon SNS, Bluetooth, Sensors*

- Proposed an IoT smart water bottle for hydration tracking and real-time safety alerts.
- Integrated sensors for liquid type, temperature, humidity, UV, and environment monitoring.
- Designed a mobile app for hydration data, refill locations, and personalized notifications.
- Planned AWS services for IoT data processing, storage, alerts, and security.

### 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 answer user questions about healthy eating, hydration, mental wellness, sleep hygiene, and physical activity.

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

- Developed a Flask FX web app for currency rates, conversion, and PayPal sandbox payments.
- Integrated PayPal login, checkout, approval, and payment capture flow.
- Fetched real-time FX rates, CBM Myanmar rates, historical charts, and forex news.
- Added FX visualization, MMK-to-SGD conversion, result pages, and simple rate forecasting.

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

- Developed a Theatre CCA web app 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.

## WORK EXPERIENCE

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### AI Automation Engineer Intern

September 2025 – February 2026

*Tertiary Infotech Academy Pte Ltd*

*Woodlands, Singapore*

- Supported basic AI automation tasks and workflow exploration.
- Assisted with documentation and learning activities related to automation tools.
- Gained exposure to real-world AI automation use cases in a workplace setting.

### Part-Time Service Crew

Oct 2024 – Apr 2026

*Zorba, The Greek Taverna Restaurant*

*Clarke Quay, Singapore*

- Provided friendly customer service in a fast-paced restaurant environment.
- Worked with team members to support smooth daily operations.
- Handled cash register transactions accurately.

### Part-Time Banquet Server

Sep 2023 – Apr 2026

*Shangri-La Hotel*

*Orchard, Singapore*

- Supported banquet service for large-scale formal, VIP, and government events.
- Coordinated with kitchen and event teams to ensure timely food and beverage service.
- Assisted with event setup, cleanup, and special guest requests.

## TECHNICAL SKILLS

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

**Frameworks:** React, Node.js, Flask, Flutter

**Databases & Cloud:** MySQL, MongoDB, Firebase Firestore, AWS Cloud Deployment, Google Cloud Platform

**Developer Tools:** Git, Docker, VS Code, Visual Studio, Solidity

**Data & Analytics Tools:** Power BI, KNIME, Microsoft Excel

**Libraries:** pandas, NumPy, Matplotlib

**Security:** OWASP Top 10, Application Hardening

## SOFT SKILLS

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- Strong problem-solving and analytical thinking
- Effective time and multi-task management
- Comfortable working with team members in fast-paced environments
- Clear and professional communication with colleagues and customers

## 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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