

# TAN MUN TAT

GitHub ◇ LinkedIn ◇ Portfolio  
+65 · 8152 · 0814 ◇ muntattan@gmail.com

## EDUCATION

---

**Singapore Institute of Technology, Singapore**

*September 2023 - August 2026*

B.S.c in Computing Science

**Temasek Polytechnic, Singapore**

*April 2018 - April 2020*

Diploma in Information Technology

## EXPERIENCE

---

**Roycemedia Technologies Pte Ltd**

July 2019 - March 2020

*Part Time Software Developer*

*Singapore*

- Initially joined as an intern and was retained for a short-term part-time role.
- Refactored legacy ASP.NET web pages into modular MVC components, improving maintainability
- Supported full-stack development, addressing both front/back end requirements across multiple projects.
- Assisted in deploying a project using Nginx onto a Linux server
- Collaborated with senior developers to enhance system architecture

**Strange Associates**

November 2019 - April 2025

*Part Time Retail Assistant*

*Singapore*

- Assisted customers with product inquiries, offering personalized decor recommendations
- Supported in-store promotions with seasonal displays and maintaining product presentation standards.
- Provided basic IT support and resolved minor technical issues for staff.
- Assisted interior decor consultants with client home setups.

## TECHNICAL STRENGTHS

---

Programming Languages	Python, Kotlin, C, Java, JavaScript, TypeScript, SQL
Databases	MySQL, SQLite, Firebase, MongoDB
Development Tools	Docker, Kubernetes, Git, FreeRTOS, Android Studio
Operating Systems	Linux (Debian-based and Arch distros), Windows

## PROJECTS

---

### Multi Protocol Mesh Network

- Developed a multi-protocol mesh network using LoRa, WiFi (MQTT), and BLE for data transmission across multiple IoT devices.
- Project hardware consisted of multiple Raspberry Pi 4s, M5StickC Plus and TTGO T-Beams.

### Earthquake Aftershock Prediction System

- Developed a cloud-based prediction system using AWS EC2 instances and Kubernetes to process seismic data and forecast aftershock zones.
- Implemented a Kafka-based data pipeline for real-time data streaming and integration with AI model predictions.
- Deployed scalable microservices for data ingestion, processing, and visualization using Flask and Docker.