

## EDUCATION

---

**Nanyang Technological University, Singapore**  
**Bachelor of Computing in Computer Science**

Aug 2025 - Aug 2029

- Second Major in Entrepreneurship

**Singapore Polytechnic, Singapore**  
**Diploma in Information Technology (With Merit)**

Apr 2022 - Apr 2025

## SKILLS

---

Frontend Development : HTML, CSS , Bootstrap , MUI , Tailwind, React Js , Next Js, JQuery

Backend Development : Node.js , Java, Express.js , Spring Boot, RESTful API , tRPC, Flask, Fastify

Database Management : MySQL , PostgreSQL, MongoDB , Redis, Microsoft SQL Server, Supabase, Firebase, TiDB, S3+Athena

DevOps Tools : Docker, Terraform, K8s

Cloud Computing : AWS Cloud

Mobile App Development : Android , React Native, Flutter

Data Analysis Tools: Metabase, Tableau, Superset, AWS Quicksight, Python Panda & Numpy

Project Management: Agile Methodology, Scrum

## ACHIEVEMENTS

---

SP Director's Honour Roll 2022/2023, 2023/2024 - Singapore Polytechnic

## WORK EXPERIENCE

---

**MOH Office For Healthcare Transformation**  
**Executive Assistant (Part Time)**

Sep 2025 - Present

- Developed and implemented GPS mobility analysis algorithms for the HOPES digital phenotyping project, comparing Python and R implementations to optimise mental health monitoring data processing workflows
- Designed comprehensive SQL queries and AWS QuickSight dashboards to analyse digital phenotyping data, enabling real-time visualisation of user engagement metrics and behavioural patterns for research teams
- Collaborated with cross-functional teams including data scientists, clinicians, and researchers to translate technical requirements into scalable analytics solutions

**Ajisen Food and Beverages**

Aug 2022 - Feb 2023

**Customer Service (Part-Time Waiter)**

- Demonstrated strong interpersonal and communication skills while providing customer service to 100+ clientele.
- Adapted quickly to high-pressure environments with tight schedules, ensuring timely service and customer satisfaction.

## INTERNSHIP EXPERIENCE

---

**MOH Office For Healthcare Transformation**  
**Data Engineer**

Sep 2024 - Apr 2025

- Built a Flutter-based web application prototype with semantic search capabilities and NDCG metrics for the Digital Local Connect project, mastering Flutter/DART framework within 2 weeks and deliver dynamic content features
- Devised multi-threaded web crawler using Depth-First Search (DFS) algorithms to track and validate data schema for MINDLINE.SG mental health platform, comparing visualisation tools (Tableau vs. Superset) for user journey analysis
- Redesigned data monitoring and analytics strategy for HOPES clinical service, creating dashboards answered critical questions on patient compliance, feature engagement, and service improvement opportunities using 80/20 principle

## PROJECTS

---

**Project INC**

Oct 2023 - Aug 2024

**Full Stack Engineer**

- Took full ownership of customer-facing responsibilities for IMCs project serving 500+ daily users, including presenting system architecture diagrams, user stories, and product roadmaps to Singapore Consultant Organisation stakeholders
- Led full-stack development while contributing to infrastructure-as-code implementation using Terraform, managing cloud resource provisioning and deployment pipelines alongside application development
- Collaborated with 11-member team through rigorous Project INC pathway program, self-learning advanced technologies (TypeScript, ReactJS, Terraform) while delivering production-ready solutions that met both technical specifications and customer requirements

**Project zenBudget**

Nov 2023 - Feb 2024

**Mobile App Developer**

- Co-developed AI-powered financial management mobile application using Android SDK and Material UI, integrating AI adviser functionality to provide personalised budget recommendations
- Designed and implemented responsive UI components following Material Design principles, ensuring seamless user experience across different Android device form factors
- Partnered with team members on feature planning, API integration, and user flow optimisation for core budgeting and expense tracking functionalities

**Project Techzero**

Apr 2023 - Aug 2023

**Full Stack Engineer**

- Architected and deployed full-featured e-commerce platform on Render using React.js, RESTful API, Socket.IO for real-time features, MySQL database, Redis caching, and Stripe payment integration
- Developed shopping cart system with session management, order processing pipeline with payment workflows, and internationalisation (i18n) for date/time localisation across multiple regions
- Integrated Google Maps API for location-based features and managed collaborative development through Git version control, implementing code review processes and branch management strategies

**Project Pocket Mart**

Nov 2022 - Feb 2023

**Mobile App Developer**

- Developed cross-platform e-commerce mobile application using React Native and Supabase backend-as-a-service, demonstrating full-stack mobile development capabilities for academic project
- Implemented core e-commerce features including product catalogue browsing, user authentication, shopping cart functionality, and real-time database synchronisation using Supabase's PostgreSQL backend
- Designed mobile-first UI/UX with React Native components, ensuring responsive layouts and smooth navigation patterns optimised for iOS and Android platforms

**CO-CURRICULAR ACTIVITIES & COMMUNITY SERVICES****NTU SIC Myanmar Community**

Aug 2025 - Present

**Event Director**

- Conceptualised and executed cultural events for 30+ community members, strengthening cultural identity and fostering cross-cultural dialogue within NTU's diverse student body
- Coordinated logistics, vendor management, and volunteer teams across multiple flagship events, ensuring seamless execution within budget constraints

**BACKEND MENTORSHIP SESSION (Singapore Polytechnic )**

Nov 2023 - Mar 2024

**Peer Mentor**

- Guided 4 students through full-stack development fundamentals including Express.js, Node.js, database integration, and API testing using Postman
- Developed supplementary learning resources and code examples to reinforce classroom concepts, resulting in measurable improvement in assignment quality
- Conducted weekly one-on-one sessions to troubleshoot code issues and explain backend architecture patterns, fostering independent problem-solving skills

**FRESHMAN ORIENTATION PROGRAM (Singapore Polytechnic)**

Apr 2023 - Apr 2023

**Group Leader**

- Led and mentored a cohort of 20 freshmen through orientation activities, establishing a welcoming environment facilitated peer connections and smooth transition to polytechnic life
- Designed and facilitated ice-breaking activities and team-building exercises encouraged participation and collaboration among diverse student backgrounds
- Identified and resolved interpersonal conflicts within group, demonstrating emotional intelligence and conflict mediation skills