

CONTACT

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GITHUB

github.com/mru34

PORTFOLIO

mru34.github.io/mruthulan-portfolio

EDUCATION

Diploma in Information Technology

Singapore Polytechnic

Apr 2025 - May 2028 (Expected)

TECHNICAL SKILLS

LANGUAGES

Java, JavaScript, SQL

WEB

HTML, CSS, Node.js, responsive UI

DATA

PostgreSQL, relational database design

ENGINEERING

REST/API integration, Git/GitHub, testing, debugging, Render deployment

AI & PRODUCT

AI-assisted workflows, human-in-the-loop thinking, user research, rapid prototyping

CORE STRENGTHS

- Problem-solving
- Team collaboration
- Adaptability
- Continuous learning

SENTHIL NATHAN MRUTHULAN

SOFTWARE ENGINEERING / AI INTERN

PROFILE

Year 2 Diploma in Information Technology student with experience building and deploying practical web applications, integrating APIs and databases, and contributing to AI-assisted product concepts. Combines software engineering foundations with clear communication, collaborative problem-solving and a strong ability to learn unfamiliar technologies quickly.

SELECTED PROJECTS

SignalBridge - Youth Support Platform

SP INNOVATEDASH 2026 CHAMPION

- Contributed youth-facing interfaces, consent and handoff workflows, backend and Discord integrations, and automated testing for an AI-assisted support platform.
- Worked across Next.js, FastAPI and PostgreSQL under a hackathon deadline; featured by Singapore Polytechnic.

Better Call Bhai - Appointment Booking Website

REAL-CLIENT PROJECT

- Designed, developed and deployed a responsive booking experience for a local barber shop, replacing manual WhatsApp appointment coordination.
- Owned the customer journey, appointment form, mobile interface and Render deployment.

KnowCad - AI Customer-Service Co-pilot

AUTODESK SINGAPORE HACKATHON 2026 CHAMPION

- Developed an AI-assisted workflow that retrieves useful knowledge while keeping human review in the decision process.
- Collaborated under a short timeline and helped communicate the concept to a non-technical audience.

Loomy - Social Thrifting and Digital Wardrobe

A-GRADE ENTREPRENEURSHIP PROJECT

- Interviewed more than 30 youths and translated the findings into a working community and AI-assisted wardrobe prototype.
- Focused on product structure, user experience and evidence-based product decisions.

EXPERIENCE & LEADERSHIP

Retail Associate

WATSONS SINGAPORE | MAR 2025 - APR 2025

- Handled payments, self-checkout support and customer questions accurately in a fast-paced retail environment.
- Maintained organised stock and supported promotions and crowd flow during busy periods.

Secretary Subcommittee

YOUTH HARMONY CHAPTER | SINGAPORE POLYTECHNIC

- Supported coordination, communication and follow-through for student-led activities and community engagement.

Class Chairman and SP ACER

- Supported class communication and student outreach, including Open House 2026 and First Steps with SP.