

Tinish Subramaniam

AI/ML Engineer · On-device AI · Tokyo

tiniissareal@gmail.com
+81 90-3824-8848 (Japan)
+60 17-535-3354 (Malaysia)
linkedin.com/in/maarrtini1
github.com/TinishBuilds
tinish-subramaniam.pages.dev



SCAN TO SAVE
MY CONTACT

PROFILE

Second-year AI Strategy student at IPUT Tokyo who builds AI that runs on the device rather than the cloud, end to end: speech and language models, embedded hardware, and the web and mobile apps around them. Led the team behind an Onward Holdings internal tool that cut month-end work by 61.5% and won first place at Onward. Interprets between English, Malay, Tamil and Japanese (JLPT N1) and handles visiting delegations between Malaysia and Japan.

SKILLS

AI / ML	faster-whisper (local speech-to-text) · Qwen 2.5 via Ollama (local LLM inference) · bge-m3 embeddings · Gemini API (vision) · Grok API · NetworkX · KH Coder
Languages	Python (primary) · JavaScript / TypeScript · Java · Dart · C / C++
Frameworks	FastAPI · Flask · Spring Boot · Vue 3 · React · React Native · Flutter · PWA
Systems & tools	ESP32 firmware · Box API (JWT) · Apache PDFBox · PyMuPDF · Google Cloud · Git

DELIVERED WORK

Suma-Getsu (スマ月) · Group leader · Onward Digital Lab

Apr to Jul 2026

Regional Co-Creation Design Practicum with the digital arm of Onward Holdings (TSE Prime 8016)

- Led a five-person cross-department team building an internal web app that files month-end documents to a fixed rule, runs an AI check and summary on each, then searches, sorts and merges them into one PDF.
- Cut the process from 13 steps to 5 and from about 40 to 15.4 hours a month: a 61.5% reduction across roughly 200 documents a month, and a recurring source of human error removed.
- First place in Onward's in-company competition; second place university-wide (地域共創デザイン実習 優秀賞). Continuing with Onward toward a product. Vue 3, Spring Boot, Box API with JWT, Apache PDFBox.

Tsunagi (繋ぎ) · On-device AI memory recorder

2026

- Local pipeline turning recordings into notes, commitments and a people network: faster-whisper, Qwen 2.5 via Ollama, bge-m3 embeddings with dynamic-programming slide alignment, FastAPI and a Vue 3 dashboard. Zero cloud calls.
- About 8 seconds from a spoken self-introduction to a contact card on a 6 GB laptop GPU; map-reduce for 1.5 hour+ events. ESP32 wearable firmware written. Presented at a student innovation showcase.

Hojo-Grok · Grok Bot Tokyo Hackathon

Oct 2026

- Built and demoed live: from a link to a Japanese government subsidy programme to a plain-language fit score, pitfalls, and an application pack with plan, form and calendar.

Event Buddy · Event Companion · Savi · Auria

2025 to now

- Gemini-powered event prep and caption writer that reads screenshots; a Flutter to-do app built at the teamLab hackathon (2nd place) and still in daily use; an offline-first multi-currency finance PWA; a React Native trip-sharing app.

LEADERSHIP & COMMUNITIES

Founder & Co-Organizer · GDG on Campus IPUT

Nov 2025 to now

- Founded after Google approached me. Co-organised an SDGs-to-Startups hackathon (70+ participants, 14 teams, 6 universities) and an SDGs build event reaching about 180 students; ran a Chrome extension workshop with Antigravity; hosted Tokyo Python on campus; represented the chapter at national summits including at Google Japan.

Head of External Affairs · MSAJ (Malaysian Students' Association in Japan)

2026 to now

Previously Head of Editorial and Media, 2025 to Jan 2026: Best Efficiency Award for the term.

Malaysia and Japan: delegations and interpreting

2024 to now

- Interpreted for the CIDB Malaysia delegation's meetings with MLIT, CCUS briefings and a technical visit to the Metropolitan Area Outer Underground Discharge Channel. Interpreted at GDG DevFest Tokyo and for Education Malaysia Global Services.
- Helped organise the Malaysian Prime Minister's June 2026 programme at the University of Tokyo; hosted the PM's secretariat and the Majlis Belia Malaysia delegation, and ran the delegation dinner. Hosted a UiTM professorial delegation at UTokyo; convened ASEAN youth leaders in Tokyo.

General manager · Japanese sanitiser research company, Malaysia

2020 to 2021

- Ran the site after the pandemic cut it from 25+ people to 5: production, shipping, exports to Japan and supply to Malaysian medical facilities, 7am to 11pm for a year. Recognised by the Malaysian and Japanese governments.

EDUCATION

International Professional University of Technology in Tokyo (IPUT)

Apr 2025 to 2029 (expected)

B.Info.Eng. (Professional), AI Strategy Course · MEXT-certified Mathematics, Data Science and AI Education Program

Akamonkai Japanese Language School, Tokyo

2023 to Mar 2025

Aichi University of Technology

2020 to 2021, withdrew

Pusat Bahasa Teikyo, Malaysia

2019 to 2020

Certifications: JLPT N1 · Harvard CS50x, CS50P, CS50AI

LANGUAGES & MORE

English (native) · Malay (native) · Tamil (fluent) · Japanese (JLPT N1, business) · Arabic and Hindi (basic)

Featured on TBS national television (2024). Represented Malaysia at the JASSO 8th Plenary. Guest lecture to 300+ at Jamal Mohamed College, India, at 15. Self-funded studies through work at Amazon fulfilment (DTK7), a kids' programming school, The Okura Tokyo, Kura Sushi, Torikizoku and a translation company.