Goh Sun Jin

APPLIED AI · NLP · FULL-STACK

Singapore · gohsunjin@gmail.com
linkedin.com/in/gohsunjin · github.com/gohsunjin
gohsunjin.vercel.app

Applied AI Diploma graduate (Temasek Polytechnic, 2025) with 12 months of production experience at **OCBC Bank's AI Lab**. Built and deployed an end-to-end multilingual NLP service serving the bank's entire internal workforce. Currently serving as **NS Probationary Inspector, Singapore Police Force** (ORD May 2027). Open to AI, ML and software engineering roles post-NS.

EXPERIENCE

Data Scientist Intern
Mar 2024 – Mar 2025

OCBC Bank · AI Lab Chatbot Team · Singapore

- Built and deployed a multilingual document translation service for **Buddy**, OCBC's enterprise chatbot, supporting DOCX, PPTX and PDF across five languages for the bank's entire workforce.
- Deployed **Meta NLLB-200-3B** via Hugging Face with PyTorch GPU and Ray; outperformed Google Translate on BLEU for financial content. **FastAPI** service with auth and callback delivery, handling 50 concurrent requests through Pre-prod, UAT and Production.

NS Probationary Inspector
Mar 2026 – Present (ORD May 2027)

Singapore Police Force · G Division

- Lead uniformed officers on security operations and oversee protection of key police facilities and assets across G Division.
- Develop and enforce divisional security protocols, managing risk assessments and maintaining incident response readiness.

Officer Cadet Training
Jul 2025 – Apr 2026

Singapore Police Force · BMTC / Home Team Academy

- Ranked **top 10% of BMT cohort**; selected for the SPF Officer Cadet Programme and commissioned as NS Probationary Inspector.
- Served in the **Guard of Honour** for the Change of Commissioner Parade; completed the **19-day Outward Bound Course**; achieved **IPPT Gold and Marksman**.

Barista
Aug 2023 – Nov 2024

Starbucks · Tampines West Community Club, Singapore

- Awarded **Partner of the Quarter** for outstanding service, a positive attitude and creating an uplifting team environment.

Customer Service Staff
Nov 2021 – Apr 2022

ZENSHO Singapore · Sukiya, Changi

- Handled front-of-house service, order-taking, food prep and transactions at a high-volume Japanese fast-casual outlet; maintained service standards under peak-hour pressure.

PROJECTS

OCBC Buddy Translation Service
Production · NDA

Enterprise multilingual document translation for OCBC's enterprise chatbot. NLLB-200-3B with Ray and FastAPI; 3–10 s across five languages; 50 concurrent requests in production.

Python · FastAPI · NLLB-200-3B · PyTorch · Hugging Face · Ray · EasyOCR · Docker

Dry Run
Google Cloud AI Builder Cup 2026 · dry-run-1608.web.app

AI rehearsal room for high-stakes presentations. Upload a proposal, assemble an AI persona panel and get interrogated before the real thing. Gemini tracks which concerns are resolved in real time.

React · Vite · Gemini · Firebase CF · Google Cloud · Web Speech API · Google Drive API

TerraTrend
NASA Space Apps Challenge 2026 · terratrend2.vercel.app

Interactive 3D WebGL globe tracking eight climate variables from real NASA and NOAA datasets, validated by Mann-Kendall significance testing. A Claude-powered Terra AI explains each trend in plain language.

Three.js · Vanilla JS · Claude API · Open-Meteo ERA5 · NOAA GML · Vercel

ReservistGO
NS Side Project · 2025

Attendance PWA for NS units with GPS-verified check-in and a live officer dashboard.

JavaScript · Supabase · Vercel · PWA · GPS API

Rebuilt Academy
Client Project · 2025

Gym booking website with a five-step wizard and Resend-powered confirmation emails for a Singapore fitness studio.

Next.js 15 · TypeScript · Vercel · Resend

PicklePedia Chatbot
Side Project · 2025

Production WhatsApp chatbot for pickleball Q&A using GPT-4o-mini, with per-user memory and automatic court info updates.

Python · Flask · OpenAI · WhatsApp API · Supabase · Railway

EDUCATION

Diploma in Applied Artificial Intelligence
Temasek Polytechnic
2022 – 2025 · Singapore

- ML, deep learning, NLP, computer vision, data engineering and AI ethics.
- 12-month industry internship at OCBC Bank's AI Lab as part of the programme.
- Selected for the TP Tchoukball Team.

GCE O-Level Graduate
Tampines Secondary School
2018 – 2021 · Singapore

- NPCC Vice Chairperson (Station Inspector rank) · Best Unit Cadet 2021, NPCC HQ.
- Student Council Executive Committee · NPAP 2019 Representative.

SKILLS

Languages	Python · JavaScript · TypeScript · SQL · Java
AI / ML	PyTorch · Hugging Face · TensorFlow · scikit-learn · Pandas · NumPy · NLP · LLMs · Ray · EasyOCR · FastText
Backend	FastAPI · Flask · Next.js · Firebase CF
Frontend	React · Vite · Three.js · HTML / CSS
Cloud / Infra	Docker · Google Cloud · AWS · Vercel · Firebase · Railway · Supabase
LLM APIs	OpenAI · Gemini · Claude · Stripe · WhatsApp
Tools	Git · Jira · Bitbucket · Cloudera · Figma

AWARDS & RECOGNITION

- **Commissioned NS Probationary Inspector**, SPF (2026)
- **Guard of Honour**, Change of Commissioner Parade
- **IPPT Gold and Marksman** (twice, BMT and OCT)
- **Top 10% BMT Cohort**, Singapore Police Force
- **Best Unit Cadet 2021**, NPCC HQ
- **Partner of the Quarter**, Starbucks
- **19-Day Outward Bound** Leadership Course
- **NPAP 2019 Representative**, NPCC

HACKATHONS

Google Cloud AI Builder Cup 2026 Submitted
Dry Run · dry-run-1608.web.app

NASA Space Apps Challenge 2026 Submitted
TerraTrend · terratrend2.vercel.app

NUS AI for Built Environment 2026 Participated
SilverSteps · silversteps.liewjiaen.com

YouCam Skin AI VTO Hackathon 2026 In Progress