

## Education

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### National University of Singapore

Aug 2025 – Jul 2029

- B.Comp. in Computer Science with NUS College.
- Recipient of NUS ASEAN Undergraduate Scholarship.

### Singapore Polytechnic

Apr 2020 – Apr 2023

- Diploma with Merit in Applied AI and Analytics, GPA 4.0/4.0.
- Recipient of IMDA Gold Medal and SP Scholarship.
- Graduate Coursework: Full-Stack Development, Machine Learning, Deep Learning, DevOps, Data Analytics, Data Engineering, Data Visualisation.

## Employment

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### Co-Founder, AI Engineer

### Flora Softworks Pte Ltd

Feb 2022 - Apr 2023

- Co-Founded and developed Flora, a SaaS enterprise search solution using docarray and elasticsearch.
- Presented Flora to 10+ potential clients, resulting in 1 successful pilots.

### AI Engineer Intern

### ANOR Technologies Pte Ltd

Sep 2022 - Feb 2023

- Developed FastAPI backend for the no-code data analysis and signal processing application for Terahertz spectrogram samples.
- Modularize and optimized signal processing logic into Python functions from multiple research-oriented software (e.g. Matlab, Origin).
- Supported research project by analyzing data and presenting experiment insights to relevant stakeholders.

## Technical Experience

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### Projects

- **OwlShield** (2024). Real-time LLM Safety Firewall Solution that close the safety and compliance gap of LLM Application. Winner of HPC AI Innovation Challenge 2023.
- **Neural Information Retrieval System** (2022). Neural Search to retrieval engine for unstructured text documents built with ElasticSearch and Jina AI.

## Additional Experience and Certification

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- **Google Cloud Certified Professional Machine Learning Engineer:** Certified in designing, building, and productionizing ML solutions on Google Cloud. (ID: 43ffb52bffed42bbad16545107dd7723)
- **Chairperson, AI Student Developer Conference 2023:** (2023): Led a diverse student team, partnered with industry leaders, moderated fireside chats, and developed gamified companion app, driving success of inaugural conference with 300+ AI youth participants.
- **Founder & President, SP Artificial Intelligence (SPAI) Student Chapter:** (2021): Moulded a community of AI Enthusiast in SP through workshops, competition and student-led projects, resulted in an Outstanding Contributions (Group) Excellence Award and 200 members within the first year of existence.

## Technologies and Skills

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- Svelte, Typescript, Javascript, HTML, CSS, SQL, Python, Bash,  $\LaTeX$
- FastAPI, Fastify, Node.JS, TailwindCSS, PostgreSQL, MySQL, MongoDB, Git, Pytorch, Huggingface, Scikit-Learn, Numpy, Pandas
- Google Cloud, Firebase, Supabase, Docker, Kubeflow
- Natural Leader, Team Player, Fast Learner, Critical Thinker