

Employment

Co-Founder, AI Engineer	Flora Softworks Pte Ltd	Feb 2022 - Apr 2023
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- 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
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- 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.
- Developed FastAPI backend for the no-code data analysis and signal processing application for Terahertz spectrogram samples.

Education

National University of Singapore	Aug 2025 – Jul 2029
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- B.Comp. in Computer Science with NUS College.
- Recipient of NUS ASEAN Undergraduate Scholarship.

Singapore Polytechnic	Apr 2020 – Apr 2023
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- Diploma with Merit in Applied AI and Analytics, GPA 4.0/4.0.
- Recipient of IMDA Gold Medal and SP Scholarship.
- Graduate Coursework: Machine Learning, Deep Learning, DevOps, Data Analytics, Data Engineering, Data Visualisation.

Technical Experience

Projects

- **OwlShield** (2024). LLM Safety Firewall that validates user inputs and LLM outputs against adversarial attacks for organization's LLM applications.
- **Neural Information Retrieval System** (2022). Neural Search to retrieval engine for unstructured text documents.

Additional Experience and Certification

- **Google Cloud Certified Professional Machine Learning Engineer:** Certified in designing, building, and productionizing ML solutions on Google Cloud. (ID: 43ffb52bffd42bbad16545107dd7723)
- **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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- Python, SQL, Typescript, Javascript, HTML, CSS, Bash, \LaTeX
 - Pytorch, Huggingface, Scikit-Learn, FastAPI, Numpy, Pandas, Matplotlib, Seaborn, MySQL, PostgreSQL, MongoDB, Node.js, Fastify, Git
 - Docker, Kubernetes, Google Cloud (GCP), Firebase, Supabase
 - Natural Leader, Team Player, Fast Learner, Critical Thinker