THARJIHA SUTHEKARA

Aspiring Software & Data Engineer

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SKILLS SUMMARY

- **Programming & Development:** Python, Java, React, TypeScript; Flask & FastAPI for RESTful APIs; OOP.
- **Database & Backend:** SQL, SQLAlchemy; designed relational schemas, queries, implemented secure session management
- **API Integration:** Google Maps, OpenLibrary, public health APIs; implemented real-time alerts, automated data imports
- **Software Practices:** Agile methodology, unit/integration testing, code reviews, Git/GitHub workflows
- **UI/UX & Frontend:** Tailwind CSS, Framer Motion; responsive, animated interfaces for web apps
- **Collaboration & Leadership:** Hackathon teams, student society leadership, mentoring peers, technical presentations
- **Tools & Platforms:** VS Code, Xcode, Figma, Gemini AI; fast learner for new tools and frameworks

EDUCATION

Candidate, Honours Bachelor of Science (Coop)   2024 - PRESENT
University of Toronto Scarborough, *Toronto ON*
Specialist in Computer Science (Coop), Major in Statistics
Awards: President's Scholar of Excellence Program ($15 000)

PROJECTS

WellGlobe – *TerraHacks 25'*   AUG 2025
React, TypeScript, Tailwind CSS, FastAPI, Gemini AI

- Integrated external APIs to deliver real-time location-based alerts, serving clinics across 50+ countries
- Designed a responsive, animated frontend with React + Framer Motion and built secure, scalable backend with FastAPI.
- Collaborated in a 3-person team using Git/Agile practices

AUG 2025

Library System – *Personal Project*
Python, Flask, SQLAlchemy, Tailwind CSS, OpenLibrary API

- Built a full-stack management system with secure login, session-based authentication, and database for books and users.

- Implemented 5+ core features (borrowing, returning, email reminders, OpenLibrary API imports), enabling librarians to manage 100+ books and members seamlessly.
- Delivered a responsive, modern UI with Tailwind CSS, improving user experience for book and member management.

JAN 2024

GreenerThanYouThink – *ElleHacks 25'*
Java

- Created an interactive website using HTML, CSS, and JavaScript based on user research and needs.
- Won Best Domain Name for creativity.

WORK EXPERIENCE

Apple Swift Apps and Entrepreneurship Co-op — *iOS Student Developer*   FEB 2023 – JUN 2023
Remote

- Coded a working prototype of an app using Swift, Xcode and incorporated UI design with Figma to presented the app's goals.
- Created and delivered an elevator pitch to clearly convey the app's potential value which was; shown to local company owners and Apple education team members, who gave it positive feedback.

VOLUNTEER EXPERIENCE

Data Science & Statistics Society (DS3) — *Web Content Developer*   JULY 2025 – PRESENT
University of Toronto Scarborough, Toronto ON

- Designed and maintained monthly newsletters using HTML and inline CSS, ensuring cross-platform compatibility.
- Collaborated with executive team to deliver clear, visually engaging technical content to 200+ student subscribers.

Yearbook Committee — *President*   OCT 2021 – JUN 2024
Middlefield Collegiate Institute, Markham ON

- Improved department cooperation through frequent meetings and excellent communication with 10 exec and 50+ members.