

# Thanush Supramaniam

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## EDUCATION

### University of Guelph

Bachelor of Computing in Computer Science, Area of Emphasis in AI

Expected Graduation: May 2029

Guelph, Canada

- Grade Point Average: 91% (3.9/4.0)
- Relevant Courses: Data Structures & Algorithms, Web Design & Development, Linear Algebra, OOP

## EXPERIENCE

### Weve

Software Engineering Intern

May 2025 – August 2025

Toronto, Canada

- Built full-stack features for a Toronto community events app including secure authentication, profile onboarding, and geospatial **Apple Maps** pins through **React Native** and **Supabase**.
- Onboarded **100+** early users and drove **1,000+** event views in month one by iterating via **GitHub** issues and code reviews, optimizing **SQL** queries, and improving data-fetching performance.
- Developed a companion web app in **React.js** + **Tailwind**; with migration to **Mapbox GL** and **AWS** deployment to expand features and prepare for scale.

## LEADERSHIP EXPERIENCE

### Math & Coding Tutor

Remote

September 2022 – January 2025

Brampton, Canada

- Tutored **30+** students over **300 hours**, raising grades by nearly **20%** through personalized Math lessons and coding lessons through **Python** and **Java**.
- Maintained near **100%** attendance across **150** remote sessions using Zoom and Google Meet, leveraging interactive whiteboards for engagement.

## PROJECTS

### HeyCare - TechTO Hackathon 2025 | *React, TypeScript, Tailwind, Supabase, Web Speech API, OpenRouter API*

- Built a **Full-stack AI-based** medical documentation tool for patient-clinician conversations, helping doctors reclaim nearly **80%** of the time spent manually documenting patient data.
- Implemented **Web Speech API**, **OpenRouter API**, and **Supabase** to automate transcription and structured data extraction, ensuring accurate categorization across patient logs.
- Designed seamless patient record workflows with search, edit, and one-click export to **.txt/.html**, enabling clinicians to quickly review and share structured notes for **EHR integration**.

### Banking Application Prototype | *Java, MySQL*

- Increased transactions by **30%** by developing secure Java/MySQL modules for account registration, login management, and inter-bank transfers.
- Enhanced data accuracy by integrating transaction tracking and real-time currency exchange checks in an SQL database.

### Spotify Inspired Music Player Remake | *Java*

- Implemented personalized playlists and intuitive playback controls using OOP.
- Reduced search latency by **40%** by engineering efficient genre/artist discovery algorithms.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, HTML/CSS, JavaScript, TypeScript, R

**Frameworks:** React, React Native, Tailwind CSS

**Developer Tools:** Git/GitHub, Supabase, MySQL, Google Firebase, OpenRouter, Visual Studio Code, PyCharm, Eclipse, Vercel, Linux,