

# Girish Sujethan

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## EDUCATION

### University of Toronto

*Specialization in Computer Science*

Toronto, Canada

*Sept. 2020 – May 2025*

## EXPERIENCE

### Software Development Intern

Sep. 2023 – Sep. 2024

*Points (Plusgrade)*

*Toronto, Canada*

- Augmented the micro-services platform by implementing APIs, infrastructure, and orchestration logic in Python
- Partnered with product owners and developers across 25+ sprints, delivering high-quality products on schedule and ensuring alignment with project goals
- Ensured robust architecture by conducting regular code reviews reducing system vulnerabilities by 30%
- Developed and implemented a comprehensive onboarding program for 3 new hires, reducing ramp-up time by 50%
- Shared responsibility for the team's technical health, including architecture, best practices, reliability, and security
- Created clear, comprehensive documentation for both technical and non-technical audiences

### Software Developer Intern

May. 2022 – Sep. 2022

*Dayforce (Ceridian)*

*Toronto, Canada*

- Collaborated with the platform team to address 30+ critical software bugs, reducing user-reported issues by 35% and enhancing system stability and end-user satisfaction.
- Executed full-stack development of enterprise-level software applications utilizing React, C#, and .NET
- Assisted in the design and development of scalable RESTful APIs, enabling seamless interactions between various CRM systems, thus boosting organizational efficiency by enhancing data flow, reducing processing times, and improving overall system response
- Regularly led daily stand-ups and scrum retros, guiding discussions to foster a productive and collaborative team environment.

### Software Engineer Intern

May. 2021 – Sep. 2021

*Modern Reliance*

*Chicago, USA*

- Designed and implemented enterprise applications using React, Node.js, SQL, redux, and jQuery.
- Implemented rigorous testing protocols, resulting in a successful launch of the video conference feature with zero client reported bugs
- Directly collaborated with the CPO to design, develop, and integrate a video conference feature within the web application, significantly enhancing communication between employees and clients, strengthening engagement, and fostering stronger professional relationships.
- Designed, developed, and thoroughly tested instant messaging features for web applications, successfully driving a 30 % increase in user engagement and fostering enhanced communication within the first month of implementation.

## PROJECTS

### Infant Face Recognition Application | React, AWS, PyTorch, and TensorFlow

June 2023 – Present

- \* Led the development of a novel end-to-end face recognition application for the **Toronto Early Cognition Lab**
- \* Engineered a machine learning algorithm that effectively diminished false positives in face recognition by 33%

### Amazon Book Recommender | Python, TensorFlow

May 2022

- \* Developed a book recommendation engine using Amazon review data, employing graph-based clustering techniques to group users
- \* Enabled the platform to handle large datasets, optimizing data ingestion and processing pipeline for increased scalability

### Route Planner Application | React, D3.js, Node.js

April 2024

- \* Developed an innovative route planner application by creating nodes for each intersection in Toronto, and employed flow and min-cut algorithms to simulate traffic and determine optimal routes
- \* Evaluated and tested various algorithmic approaches for speed and accuracy, optimizing the app for fastest route suggestion

## TECHNICAL SKILLS

**Languages:** Python, C/C++, SQL (Postgres), JavaScript, R

**Frameworks:** React, Node.js, Flask, JUnit, FastAPI

**Developer Tools:** Git, Docker, Azure Cloud , Jira, Visual Studio, PyCharm