

# Shawn Santhoshgeorge

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## TECHNICAL SKILLS

**Languages:** HTML5, CSS3, Javascript, Typescript, Python, Java  
**Databases:** SQLite, PostgreSQL, MongoDB  
**Frameworks:** React, Angular, Next.js, Node.js, Flask, Django, FastAPI  
**Technologies:** Jest, Mocha, GitHub Actions, Docker, Git, Jira, Google Cloud, Figma

## EDUCATION

**University of Toronto Scarborough** Scarborough, ON  
*Bachelor of Science in Statistics, Minor in Economics* Sep 2019 – May 2024

## EXPERIENCE

**Full Stack Software Developer Co-op** Jan 2022 – Aug 2022  
*Temerity Analytics* Toronto, ON

- Revamped the Ad Campaign Reports by integrating data from Google Analytics, Google Ads, and Meta Ads using **Django & Angular**, resulting in a **20% reduction** in generating PPTX reports.
- Spearheaded the redesign of the Ad Campaigns Reports UI/UX, enhancing user experience and enabling seamless integration of new features.
- Enhanced website performance and user experience by leading training sessions with the development team on new web technologies and discussing methods to implement new tools.

**Director of Web Development** Sep 2021 – May 2024  
*Data Science & Statistics Society* Scarborough, ON

- Led a cross-functional team in successfully launching a high-performance website using **Next.js & Netlify**, resulting in improved user experience and increased site traffic.
- Designed an event management platform for DS3 Datathon, facilitating **real-time usage tracking of over 200 participants** allowing organizers to elevate the event's success and participant satisfaction.
- Implemented a real-time leaderboard for DS3 Datathon with **Next.js, FastAPI & MongoDB Atlas** with route caching to drive competition and foster team engagement

**Junior Software Developer** May 2021 – Aug 2021  
*Skatescribe* Markham, ON

- **Reduced tool change time by 60%**, from 2.5 minutes to under 1 minute, by creating a **RESTful API** in **Flask** to streamline tool insertion and removal.
- Developed a Tool Health Tracking system, preventing potential tool failures and associated CNC damage.
- Reduced CNC startup time by automating manual Database and Server readiness verification checks.

## PROJECTS

**FinLearn** | *Typescript, Next.js, Chakra UI, Express.js, Clerk, MongoDB* June 2023 – Aug 2023

- Designed and developed a paper trading platform that educates youth about investing by practicing in a risk-free environment.
- Automated user onboarding by leveraging Clerk Webhooks to streamline and sync user registration data into MongoDB Atlas.

**Translator: A Discord Bot** | *Javascript, Google Cloud Run, Cloud Translation API* Jan 2021

- Used the Cloud Translation API through the **Google Cloud SDK** to translate text in real-time, supporting a wide range of languages.
- Implemented a scalable deployment of the Discord Bot across multiple servers using **Google Cloud Run**.

**GamseeAI** | *Python, OpenCV, NumPy* Feb 2020

- Implemented a real-time email notification system to alert users upon detecting suspicious motion via webcam.
- Created a simple installation process via a single executable file without any other pre-installed software.