GANESH ASAPU

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Education

University of Toronto Graduating May 2026
Honors Bachelor of Science, Computer Science (GPA: 4.0)
Activities & Clubs: UofT AI, UofT Blueprint, UofT Application Development Association, CS Student Union
Relevant Coursework: Foundations of CS I & II, Statistical Reasoning, Python for Data Science (Udemy)

Experience

UofT Blueprint

Full-stack Developer September 2022 - Present

- Worked on student team to create CRM software for Toronto Community Employment Services that improved efficiency of workflow and increased number of clients
- Utilized **Typescript**, **React.js**, and **MUI** to create visually appealing user-interface
- Worked on back-end to validate and store new client entries using **MongoDB**, **Express.js**, and **Node.js**

UofT RADLab

Full-stack Developer September 2022 - Present

- Utilized **React.js** and **Google Firebase** to create web-app to improve mental health of users
- Did market research to create fun and interactive UI/UX web designs
- Worked in small **agile** team of 4 students to create a functional application within weeks

PhotoML

Full-stack Developer January 2023 - Present

- Created software product to automatically filter photos based on the photographer's style based on convolutional neural network
- Used **Typescript**, and **TailwindCSS**, to construct easy-to-use front-end user interface
- Created back-end using **Electron.js**, **Node.js**, and **MongoDB** to retrieve and store photos from database

Projects

Quickposts

- Creates twitter marketing posts with AI generated captions and images (built in 36 hours) during UofTHacks X
- Utilized **TailwindCSS**, **HTML**, and **Typescript** to create visually appealing front-end user interface
- Used **Django** to connect to machine learning model and post generated captions and images to Twitter

VaxOptima

- Designed and implemented a genetic algorithm to optimize COVID-19 vaccine distribution using Python
- Created simulation using real-world COVID-19 data to take supply, demand, and accessibility into account
- Created engaging visualizations to showcase improvement of solution across generations

Skills

Languages: Python, Typescript, Javascript, Java, HTML & CSS
Libraries: React.js, Express.js, Node.js, Django, MUI, TailwindCSS, Numpy, Pandas
Databases/Tools: MongoDB, Git, Github, SQL, PostgreSQL, Docker, Google Firebase
Development: CI/CD, Agile