Sai Srinivas Vankadari

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# Technical Skills/Certifications

**Languages**: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, PHP

**Frameworks/Libraries**: Node.js, Material-UI, Tailwind CSS, ROS, Pandas, Matplotlib

**Developer Tools**: Git, Firebase, VS Code, PyCharm, XAMPP

**Soft-Skills**: Communication, Leadership, Self-Management, Time-Management, Fast-Learner, Attention-to-Detail

**Certifications**: IBM Data Analysis, IBM Z Xplore

# Education

**University of Western Ontario** London, ON

*Bachelor of Software Engineering Sep. 2023 – Apr 2028*

* Relevant Courses: Scripting Programming Fundamentals, Algorithms and Data Structures

# Experience

**Web Developer Intern** May 2024 – Aug 2024

*Momentum Mind Mississauga, ON*

* Developed and maintained responsive web applications using HTML, CSS, JavaScript, and React, improving site performance and user experience.
* Designed and implemented **SQL** queries to retrieve and test data integrity in the Seva Food Bank's web application, while developing and executing **Node.js** scripts to validate form submissions, authenticate user credentials, and ensure security, accuracy, and efficient data handling.

**Founding Robotics Engineer** Sep. 2022 – June 2023

*aRTmech Robotics 10700x Brampton, ON*

* Assisted in programming rover control systems using **Python** and **ROS** with a wireless controller and tested the drive assembly and robotic arm functionality.
* Assisted in programming an autonomous system using **C** that had an **87**% success Rate
* Secured financial support through strategic email communication with attention to detail, while also assisting in planning the team calendar to maintain organized and have efficient coordination.

# Projects

**Spotify Chatbot** *| Next.js, NextAuth.js, OpenAI API, Material-UI,*

* Designed and implemented an AI-powered chatbot using **OpenAI API** in **Next.js** to assist users with app-related concerns and provide personalized song recommendations.
* Integrated **Material-UI** for responsive styling and implemented secure user authentication and session management using **NextAuth.js**.

**Pantry Tracker** *| Next.js, NextAuth.js, OpenAI API, Material-UI, Firebase, Google Cloud Vision api*

* Built a Pantry Tracker app using **Next.js** and **NextAuth.js**, enabling users to log in with Google accounts and track their personalized inventory.
* Integrated **Google Cloud Vision API** and **Firebase** to allow users to scan items via webcam, automatically adding them to an inventory system.
* Leveraged **OpenAI API** to create a chatbot that generates recipe suggestions based on the user's inventory, with a responsive and intuitive interface designed using **Material-UI**.

**AI Flashcards** *| Next.js, Clerk.js, OpenAI API, Material-UI, Firebase, Stripe*

* Created an AI-powered flashcards app using **Next.js**, **Clerk.js**, and **OpenAI API**, allowing users to generate and save flashcards based on custom prompts, with session management handled by Firebase.
* Designed a user-friendly interface with **Material-UI** and integrated **Stripe** for potential premium feature support.