JONATHAN SHANMUGANANTHAM

(437)-662-5405 · linkedin.com/in/jonathanshan1 · jshan9078@gmail.com · jonnyacci.github.io

SKILLS

Languages:	Python, C++, HTML CSS, Javascript, Typescript, Java
Technologies:	MERN, Vite, FastAPI, Bootstrap, Tailwind, Manifest V3, Cloudinary, Next, Supabase
Dev Tools:	Git/Github, Docker, Figma, Google Cloud Platform

EXPERIENCE

Toronto District School Board   Scarborough, ON
Web Developer   Apr 2023 - Present

- Worked on the new school site for Albert Campbell C.I. built with HTML CSS JS
- Integrated React and Node into the site

Albert Campbell Hack Club   Scarborough, ON
President   Sep 2020 - Jun 2023

- Taught students Python, C++, and HTML CSS JS
- Hosted hackathons and mock contests to prepare for competitions
- Organized sponsorships with Hack Club

Albert Campbell Robotics Team   Scarborough, ON
Captain   Oct 2019 - Jun 2023

- Captained teams for competitions
- Programmed an autonomous Arduino terrain movement robot using C++ which won UofT's Robotics Competion
- Programmed an autonomous Sumo Bot which won 4th out of 60 teams at Ontario Tech University's Robot-Sumo competition

RG Education Centers   Scarborough, ON
Office Assistant   Jul 2021 - Aug 2023

- Evaluated student work and consulted with parents on their child's progress

PROJECTS

weebDachi *React, Javascript, Vite, Node, Bootstrap, Figma*   github.com/JonnyACCI/weebDachi
This is a website for viewing and downloading anime that leverages my own Python FastAPI to web scrape data. Dynamic pages are conceptualized with Figma, implemented using React, and styled with Bootsrap.

Serenity *HTML CSS JS, Node, Manifest V3, Webpack, Deepgram API*   github.com/JonnyACCI/Serenity
This Chrome Extension monitors how fast one speaks during presentations and tells them to speed up or slow down. Natural language processing was done with the Deepgram API. The extension makes use of Google's Sidepanel API.

Clip-kun *MERN Stack, Multer, Cloudinary SDK*   https://github.com/JonnyACCI/Clipkun
This website allows users to choose any anime episode and create clips in the cloud to share with other users. Client-side validation was implemented. REST API endpoints were designed using Express and Mongoose to interface with the MongoDB database. CRUD operations were configured with the Cloudinary SDK to allow users to manage their digital media.

friended. *Next, TS, Tailwind, Supabase, PostgreSQL, OpenAI*   https://devpost.com/software/friended
This website creates a digital profile of a user by taking their Linkedin and Devpost and allows them to connect with similar users. It leverages OpenAI embeddings to allow for vector cosine similarity search using PostgreSQL. Server-side and client-side authentication is done using Supabase. The front-end was conceptualized with Figma and structured with Next. Styling was done with Tailwind.

AWARDS

Governor General's Academic Award   Government of Canada
Awarded to the graduating student with the highest academic standing at the secondary level   Jun 2023

3x Distinction on Canadian Computing Competition   University of Waterloo
Top 20% of all competitors

EDUCATION

University of Waterloo
Bachelor of Computer Science   Sep 2023 - Apr 2028