Isitha Tennakoon

647 901 3664 |ilt@sfu.ca| linkedin.com/in/isithat | isitha.net

SKILLS

Technical Skills

Languages	Python, JavaScript, Typescript, HTML, CSS, SQL, C, C++, MicroPython
Frameworks	React, Flask, NextJS, Tailwind CSS, NodeJS, Jupyter Notebooks
Developer Tools	Git, Docker, Visual Studio Code, Vim, PyCharm, Figma, Linux
Libraries	NumPy, Matplotlib, Keras, Jest, React Testing Library

Transferable Skills

Languages	English, Intermediate Spanish, Sinhala
Other	Strong communicator, quick learner, thrives independently and collaboratively

PROJECTS

Personal Website | NextJS, React, Tailwind CSS   **Dec 2024 – Jan 2025**

- Designed, developed, and deployed a responsive portfolio website using NextJS and TypeScript.
- Implemented a Markdown-based article system to seamlessly parse and render content-rich website articles from standard markdown documents.
- Utilized Tailwind CSS for efficient styling, enhancing the website's visual appeal.

Be Square | StormHacks 2024 Best AI Hack Winner | NodeJS, JavaScript   **Oct 2024 – Oct 2024**

- Developed an AI-enabled Adobe Express plugin, enabling users to create editable diagrams using natural language instructions and speech recognition.
- Integrated OpenAI's GPT-4o with function calling capabilities to dynamically add, edit, and remove canvas elements in real time.
- Implemented WebSocket connections to link server-side LLM function calls to client-side canvas functions.

Fitness4All | Project Manager, Developer | React, Vite, REST APIs   **Sep 2024 – Dec 2024**

- Led a team of four developers in designing and building a fitness and nutrition assistance web application, following the Scrum methodology for Agile project management.
- Integrated the Gemini API to provide intelligent recommendations and enhance user experience.
- Established a CI/CD pipeline to automate testing and deployment, and to ensure efficient development workflows.
- Wrote and maintained unit tests to ensure application reliability.

Recycling Tracker | Hackathon Winner | SQL, HTML, CSS, JavaScript, Flask   **May 2024 – Jun 2024**

- Developed a full-stack recycling tracker application for CS Base Climate Hacks, utilizing HTML, CSS, and JavaScript for the frontend and PostgreSQL for data storage and management.
- Created API endpoints to enable RESTful communication between the frontend and back end.
- Designed a responsive "Recycling History" page for clear data visualization with cross-platform compatibility.

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WORK EXPERIENCE

Mathematics Tutor   **Mar 2023 – Sept 2023**
Private Tutoring   Delta, BC

- Tutored grade 9 and 10 students in high school mathematics, following the BC Curriculum to enhance understanding and performance.
- Improved student test scores from 60% averages to 80% over one semester through targeted lessons and practice, greatly improving student confidence.
- Prepared lesson plans, practice problems, and learning resources to develop students' intuitive understanding of mathematical concepts.
- Communicated with parents to schedule lessons and provide regular updates on student progress.

VOLUNTEER EXPERIENCE

Coding Instructor and Course Designer   **Dec 2022 – Sep 2022**
Coding Pals   Vancouver, BC

- Taught Python, HTML, and CSS to classes of up to 30 students in grades 4–10, fostering curiosity and engaging students in learning about computer science.
- Designed a 9-week Intermediate Python course, developing lesson plans, homework, demos, and projects to reinforce programming concepts.
- Maintained high student retention rates in a voluntary class setting by delivering engaging lessons and building strong student connections.
- Led teams of four instructors across three classes, adapting materials to suit diverse teaching styles and ensure consistent delivery.
- Created an engaging classroom environment, balancing theory and hands-on activities to maintain student focus and participation.

EDUCATION

BSc. Computer Science   **Sept 2023 – Present**
Simon Fraser University   Burnaby, BC
Extracurriculars: Google Developer Student Club Co-Director of Events

INTERESTS

Generative AI	**Automation**	**Data Science**
Photography	**Strategy Games**	**Workshops and Mentoring**