SAKET SHARMA

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Technical Skills

Languages: Python, Java, C++, HTML/CSS, LaTeX
Developer Tools: VS Code, Eclipse, Bracket, Google Cloud Platform, Github/Gitlab, CI/CD, DataBricks

Experience

Heartland Church — Jun. 2022 – Aug 2022
Camp Counsellor — *Mississauga, Ontario*
- Supervised 60 campers to guarantee their safety, growth, development, mastery of skills, and overall well-being.
- Planned and implemented activities that are age-appropriate and aligned with the camp's mission and goals.
- Participated in professional development opportunities to stay current on best practices in youth development.

Peer Helpers — Oct. 2020 – present
Vice President — *Mississauga, Ontario*
- Tutored 60+ high school students in Mathematics, Computer Science, and Science by creating curated lesson plans, and interacting with their teachers and parents, resulting in 31 of them increasing their grades by 15%
- Created and implemented lesson plans for various subjects that are being utilized by other executives.
- Executed educational events such as trivia & treasure hunts to increase student engagement and motivation in studying.
- Held tutoring sessions for math and computer science competitions such as the Canadian Computing Contest.

Eclypse Youth Centre — May 2020 – September 2020
Project Leader — *Mississauga, Ontario*
- Organized and assigned tasks to ambassadors for tutoring sessions, trivia nights, and large-scale speaker events.
- Advocated for mental health by executing stress management sessions, hosting workshops and round table discussions about peer pressure, systemic racism, education, and personal mental health experiences.
- Developed a compassionate and non-judgmental approach to working with those experiencing mental health challenges.

SOAPure - Startup — Nov. 2019 – Present
Co-Founder & CEO — *Mississauga, Ontario*
- Started a business to sell natural, authentic bath bombs and soap powders, using dermatologist-approved products.
- Researched products and chemistry of different solutions to determine products that are suited for different skin types.

Research

Complexity & Organized Behaviour Researcher - University of Toronto — Dec. 2022 – present
Researcher — *Toronto, Ontario*
- Currently reading about graph theory and learning object-oriented programming in Java to start research this summer.

Projects

Morse Code Decoder | *Python, GitHub* — Nov. 2021 – Feb. 2022
- Built a translator to decipher Morse Code for users with various needs using Python and Git Version Control.
- Encoded and Decoded Morse Code to English using various data structures such as tries and dictionaries.
- Implemented complex search algorithms to minimize the search time and cost to produce output quickly.

Tidy Mind - SparkHacks Hackathon Runner Up | *HTML/CSS, JavaScript, Git* — Aug. 2020
- Created a website to assist and inform users about mental health using a human-like chatbot, an entertaining game, and an informative page with resources for COVID support and mental health support, including therapists and helplines.
- Designed the Chatbot to play music, send memes and jokes to lighten up the mood, and provide appropriate resources.
- Created the front-end using CSS Bootstrap to create a website with less alarming colors, proven to calm people down.

Education

Glenforest Secondary School, International Baccalaureate — Sep. 2020 – Jun. 2024
Courses: Math, Chemistry, English, Computer Science, Physics, Economics, Biology, French — *Mississauga, Ontario*

Notable Awards & Certifications

- Won 1st place in the Canadian AI Competition by creating an AI solution to detect fake news.
- Successfully completed several courses including Harvard CS50x and DataBricks certified