

# SAKET SHARMA

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## Technical Skills

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**Languages:** Python, Java, C++, HTML/CSS, LaTeX

**Developer Tools:** VS Code, Eclipse, Bracket, Google Cloud Platform, Github/Gitlab, CI/CD, Databricks

## Experience

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### Camp Counsellor

**Jun. 2022 – Aug. 2022**

*Heartland Church*

*Mississauga, Ontario*

- Led a team of 3 counselors to design and implement age-appropriate activities that fostered personal growth, skill development, and team building for 100+ campers, resulting in a 15% increase in positive feedback from previous years.
- Pioneered the development and execution of a new "Leadership Academy" program, consisting of 10 age-appropriate activities that taught math, science, and leadership skills to 60 campers.
- Actively pursued professional development opportunities, integrating 10 new strategies for engaging campers.

### Vice President

**Oct. 2020 – present**

*Peer Helpers*

*Mississauga, Ontario*

- Designed and implemented a comprehensive tutoring program for 60+ high school students in Mathematics, Computer Science, and Science, resulting in 31 students achieving a 15% increase in their grades.
- Planned and executed educational events such as trivia games and treasure hunts, increasing student engagement.
- Tutored for various math and computer science contests, resulting in students achieving high rankings.

### Project Leader

**May 2020 – Sep. 2020**

*Eclipse Youth Centre*

*Mississauga, Ontario*

- Directed and delegated responsibilities to a team of 11 ambassadors, overseeing the organization and successful execution of 30+ tutoring sessions, 15 trivia nights, and 5 large-scale speaker events.
- Developed and facilitated 15 stress management sessions, 10 workshops, and 5 roundtable discussions on topics including peer pressure, systemic racism, education, and personal mental health experiences, reaching over 200 individuals.
- Refined a compassionate and empathetic approach to supporting individuals facing mental health challenges.

### Co-Founder & CEO

**Nov. 2019 – Jun. 2020**

*SOAPure - Startup*

*Mississauga, Ontario*

- Led a successful natural bath & body products company and gained a loyal customer base through marketing strategies.
- Researched and analyzed the chemical composition of various solutions to develop a line of dermatologist-approved natural and authentic bath bombs and soap powders for individuals with different skin types.

## Research

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### Complexity & Organized Behaviour Researcher - University of Toronto

**Dec. 2022 – present**

*Researcher*

*Toronto, Ontario*

- Continuously expanding my knowledge in graph theory and honing my skills in object-oriented programming with Java to drive my upcoming summer research project.

## Projects

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### Morse Code Decoder | *Python, GitHub*

**Nov. 2021 – Feb. 2022**

- Utilized efficient data structures like prefix trees (tries) and dictionaries to enhance the performance and functionality.
- Implemented advanced search algorithms such as binary search, depth-first search, and breadth-first search to optimize the search time and reduce computational cost, resulting in efficient and speedy output generation.

### Tidy Mind - SparkHacks Hackathon Runner Up | *HTML/CSS, JavaScript, Git*

**Aug. 2020**

- Designed and developed a user-friendly website dedicated to promoting mental health awareness, incorporating advanced technologies such as a chatbot powered by natural language processing, an interactive game, and a comprehensive resource page with information on COVID support, mental health support, and therapist/helpline directories.
- Revamped the front-end using CSS Bootstrap, incorporating calming color schemes to enhance user experience.

## Education

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### Glenforest Secondary School, International Baccalaureate

**Sep. 2020 – Jun. 2024**

*Courses: Math, Chemistry, English, Computer Science, Physics, Economics, Biology, French*

*Mississauga, Ontario*

## Notable Awards & Certifications

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- Achieved 1st place in the Canadian AI Competition by developing an advanced AI model to detect fake news.
- Completed rigorous coursework, including Harvard's prestigious CS50x program, and DataBricks' courses.
- Admitted into the University of Waterloo's prestigious quantum computing program, renowned for its rigorous curriculum and cutting-edge research in quantum computing, with a competitive acceptance rate of less than 5%.