

Saksham Kohli

sakshamkohli6@gmail.com | 647-835-6369 | github.com/Saksham-3 | [saksham-3/website](https://saksham-3.com) | [/in/saksham](https://in.saksham-3.com)

Skills

Frontend - HTML, Bootstrap, Jinja Templating, and JavaScript.

Database - SQLAlchemy ORM (Object Relational Mapper).

API - REST API - GET/POST/UPDATE protocols.

Backend - Python (Flask framework)

Data - JSON

Version Control - GIT (Using CLI)

Education

York University

2023 - Present

Honors Bachelor of Science, Computer Science Specialized in Computer Security

University of Ottawa

2021 - 2023

Biomedical Mechanical Engineering and Computation Technologies

Projects

Note-It – Python, HTML, CSS, Flask, SQL Alchemy, Git

- Developed a responsive web app that utilizes SQL Databases to store user data, personal blogs, and notes.
- Utilized CRUD operations to securely display data alongside a variety of user-friendly features.

WorldFlags – REST API, Python, Tkinter, Pillow, Git

- Implemented the REST Countries API alongside python libraries to display random flags for the user to guess with limited lives, score tracking, and high scores.
- Utilized Tkinter and CustomTkinter to create a seamless, visually appealing interface.

Tic-Tac-Toe – Python, PyGame, Numpy, Git

- Created the classic Tic Tac Toe interface PyGame, allowing two players to start/restart games to compete.
- Utilized Numpy and PyGame to plot each move in a mutable array, tracking the progress of the game at each step.

K-Bot – Python, Discord, Requests, Git

- Developed a responsive chat-bot using Python's discord library and API.
- Integrated engaging text functionality such as random dice rolls, coin flips, and programmed chat responses.

Experience

Jadaco Recreation – Lifeguard

2019 - 2024

- Daily customer interactions to provide information on pool schedules, class timings, and resolving any other concerns.
- Supervise facility and enclosure to maintain patron safety.