Aradhya Singh

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⚲ aradhya.ml

EDUCATION

York University, Lassonde School of Engineering   2019 – 12/2023 | Toronto, Ontario
Bachelor of Science, Computer Science

EXPERIENCE

Backend Developer   12/2022 – present | Toronto, Ontario
csHUB : York University

- Developing and maintaining server-side logic and infrastructure for the merch store, including setting up a database, integrating with payment gateways, and building APIs.
- Ensuring the security and stability of the e-commerce platform by implementing SSL certificates, setting up backup systems, and monitoring performance. Collaborated with team members to implement new features and functionality.

Global Student Mentor   09/2022 – present | Toronto, Ontario
York University

- Mentoring 10 students from Lassonde, providing guidance on EECS assignments, and course projects, and navigating the university system.
- Facilitating when a student may be experiencing difficulties and developing a support plan with the guidance of Student Support Staff.

Developer   02/2022 | Toronto, Ontario
Major League Hacking - yuHacks

- Mentored a team of 4 and attained 1st in a 24-hour period competition with over 300+ participants teams.
- Developed a project to improve the process of matching animals in rescue centers with potential forever homes using Node.js and the Express framework.
- Implemented a search feature and used a JSON file to store data and mimic reading from a large database.
- Built an organization dashboard and an adopter profile creation and matching process, as well as a messaging feature.

PROJECTS

Portfolio Website ✎

- Developed a personal portfolio website using HTML, CSS, JavaScript, and React. .

Sorting Algorithm Visualizer ✎
Javascript

- Developed a sorting visualizer that implements the Bubble Sort, Insertion Sort, and Selection Sort algorithms and uses array visualization to show the sorting process.
- Used JavaScript for the implementation of the sorting algorithms and React for the frontend.

Face Recognition Attendance ✎
Python, openCV, Numpy

- Implemented a Python program using **OpenCV** and the **face_recognition** module to detect and recognize faces in video frames from a web camera.
- Defined a function to generate face encodings for a list of known images and used the encodings to compare against faces detected in the video frames.
- Saved the attendance data to a .csv file, if a match was found and timestamped with the current time.

AI Speech Assistant ✎
Python, RESTapi

- Developed a voice assistant that can play music, provide the current time, give information from Wikipedia, tell jokes, and provide the current weather in a given city.
- Used the **speech_recognition, pyttsx3, pywhatkit, wikipedia, pyjokes**, requests, and **JSON** modules to enable these features.
- Integrated the OpenWeatherMap API to get weather information.

SKILLS

Skills:
Java, Python, Javascript, Node.js, Selenium, Bash, Git, MySQL, REST APIs, HTML, CSS