Sailesh Sikdar

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TECHNICAL SKILLS

Programming Languages: Python, JavaScript, SQL, C

Technologies: HTML5, CSS3, SQLite3/MySQL, Git/GitHub, Django, Bootstrap, REACTjs (beginner)

RELEVANT EXPERIENCE

Cisco Systems – GitHub Tooling and Dev-X Team   **Waterloo, Ontario (remote)**
Software Engineer Intern   *January 2021 – August 2021*
- Worked in Cisco's GitHub Tooling team to help maintain and add functionality to an intermediary application between GitHub and Jenkins servers, responsible for ensuring a Continuous Integration/Delivery workflow on Cisco's IOS XE platform
- Used the **Windows Terminal**, **Git**, **GitHub**, and **Python** to update and add functionality to the application, maintained code coverage requirements using the Python **Unittest** framework
- Improved upon the functionality of a **REST API** using **Django** and **MySQL**
- Created the front and back-end of a web form used to email the correct executives and ask for various permissions – used **Django**, **MySQL**, **HTML**, **CSS**, **JavaScript**, obtained the correct individuals by communicating with various internal REST URLs
- Presented the feature to management, interns, and members of various development teams within Cisco

PERSONAL PROJECTS

Tic Tac Toe   **Python/SQLite3**
https://github.com/s4sikdar/Tic-Tac-Toe-OOP-version
- Programmed the game of Tic Tac Toe, both in single-player and multiplayer mode
- Created an Artificial Intelligence to play against in single-player mode by implementing the minimax algorithm
- Added a feature that allows users to register a username and keep track of the scores/results of all usernames in the form of a leaderboard, using the SQLite3 database management system

NBA Records Database   **SQL/SQLite3**
https://github.com/s4sikdar/CS-338-Final-Project
- Created an NBA records database using SQLite3, storing information of NBA teams over the last 10 years, team standings, individual team records, finals results, and records of key personnel within organizations
- Ensured Second Normal Form in all relations, along with Third Normal Form for most of them

T-Rex Run   **HTML5, CSS3, JavaScript**
https://github.com/s4sikdar/s4sikdar.github.io/tree/master/new_old_website/chrome_dino_run
- Created a version of the Google Chrome dinosaur game using HTML5, CSS3 and JavaScript
- Interacted with the Document Object Model and multiple layers of HTML5 Canvas elements to create a colored variant of the original game, with the help of the photoshop tool GIMP
- Used multi-threaded programming through Web Workers to enhance performance
- Game can be found here, open preferably in Microsoft Edge: https://s4sikdar.github.io/new_old_website/chrome_dino_run/Dino_game.html

Portfolio Website   **HTML, CSS, JavaScript, REACTjs**
https://github.com/s4sikdar/react-website
- Created a responsive Portfolio Website using HTML5, CSS3, and JavaScript, and REACTjs
- Crafted a visually intuitive and responsive layout using Bootstrap, ChartJS and the Google Charts API
- Ensured cross-platform performance through Bootstrap, site found here: https://s4sikdar.github.io/

EDUCATION

University of Waterloo

Bachelor of Mathematics majoring in Math/Business Administration, minor in Computing   *Class of 2022*
- **Relevant Courses**: CS 136 (Elementary Algorithm Design and Data Abstraction in C), CS 338 (Databases), CS 116 (Introduction to Python), CS 234 (Data Types and Structures)