MELISHA SHAKYA

3rd Year Computer Science Undergraduate

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EDUCATION

University at Buffalo School of Engineering and Applied Sciences

Buffalo, NY

August 2019 – Present GPA - 3.67

PROJECTS

Study Seeker Application

Feb 2022

- Build a student community, which nurtures growth and helps people succeed, all while aligning academic interests.
- A user-friendly application for students with features of searching, forming a group and connecting with other students.
- React and CSS in Virtual Studio Code
- Link: https://webdev.cse.buffalo.edu/hci/teams/commitment

Pulsar Produce Pong Application

Feb 2022

- Build a competitive cooking game with live interaction with users including gaming and messaging users.
- Used Flask, Flask-sockets, MongoDB, AJAX, Python, JavaScript, HTML, and CSS in Virtual Studio Code
- Link: https://producepong.com/

Conway's Game of Life

Sept 2020

- Implemented a simplified version of John Horton Conway's Game of Life to create a small project.
- It uses multidimensional arrays and introduce the concept of modifying a program's data model to simplify computation.
- Used C language in VMware.

SMALL PROJECTS

Calculator | *Scala, IntelliJ, Object Oriented*

Rhyming Dictionary | *Scala, IntelliJ, Object Oriented*

Solitaire | *Back-end Java*

Tic Tac Toe | *Back-end Java, AI*

Battleship | *Java, Object Oriented*

ACHIEVEMENTS

- Participated University at Buffalo Hacking Competition 2019
- Achieved top 10 position in Coding Competition in 2018.
- University at Buffalo Dean's list for Fall 2019, Spring 2021, Fall 2021, Spring 2022, and Fall 2022.

SKILLS

Programming Languages:

Python | React | Java | JavaScript | Scala | C | HTML | CSS

Database:

MySql | Mongo

Development Tools:

Visual Studio Code | GitHub | IntelliJ IDEA | VMware | Figma

Soft Skills:

Problem-Solving | Teamwork | Communication

Other:

Docker | AJAX | HTTP API | pip | Flask | npm | Web-Socket | Linux

COURSEWORK

Intro to CS Administration | Software Eng Concept | Intro to AI | Algorithm Analysis and Design | Computer Organization | Systems Programming | Data Structures | Web Development | Applied HCI and Interface Design | STEM Communication | Discrete Structures

WORK EXPERIENCE

Undergraduate Research Assistance

May 2021 -July 2021

- Assisted to research on improvement of machine reliability.
- Research on Facial expression recognition using ear canal transfer function.