SAHAR SAMI

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EDUCATION

Cornell University – BS in Computer Science // Ithaca, NY / August 2019 – May 2023
- GPA: 3.85/4.3 – Dean's List Fall 2019
- Relevant Coursework: Object-Oriented Programming and Data Structures, Introduction to Backend Development, Discrete Structures, Engineering Applications of Operations Research

EXPERIENCE AND ACTIVITIES

Course Consultant, *Cornell CIS Department* // Ithaca, NY / September 2020 – Present
- Selected to provide assistance in the course CS 2800: Discrete Structures with over 400 students
- Will hold weekly office hours, grade assignments, and answer student questions on Piazza

Data Science Intern, *Polici* // Ithaca, NY / January 2020 – Present
- Work with a team of four to create and deploy the technology behind a rapid growth startup
- Used Python to write functions to extract the top vocabulary words from research papers
- Researched and applied text summarization algorithms including TextRank and LDA

CS Sub-team Member, *Cornell Cup Robotics* // Ithaca, NY / September 2019 – Present
- Working on a machine learning-based chatbot for a laboratory assistant robot called "C1C0"
- Created a classification model in Python to determine the topic of a question, achieved an F1 score of 0.85

PROJECTS

Make Children Smart
- Working in a team of five to develop a website containing math games for children with learning disabilities
- Using JavaScript and Python to write scripts to update a NoSQL database upon user events
- In the process of collecting data to later develop machine learning algorithms to dynamically change game difficulty

Cozy
- Worked in a team of four to create a Google Chrome Extension that displays natural disaster risk information on housing websites using HTML, CSS, and JavaScript
- Developed a Flask app to serve as an API for scraping website data with Beautiful Soup

Spotify Data Analysis
- Extracted and organized data of songs from a Korean band using Spotify's Web API
- Used Python to visualize the data and perform K-Means Clustering to group similar songs

SKILLS

- **Advanced Languages (3+ years):** Python, Java
- **Familiar Languages:** HTML, CSS, JavaScript, C++, MatLab, SQL, Markdown, R
- **Familiar Tools**: Microsoft Office, Bootstrap, Android Studio, Git, Tableau
- **Technical Skills:** Data visualization, data analysis, machine learning, object-oriented programming, web development, app development, Arduino programming