Priyal Patel

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EDUCATION

University of Florida | *GPA: 3.94*   Gainesville, FL
Bachelor of Science in Computer Science, Minor in Mathematics   *Expected May 2024*

RELEVANT COURSES

Programming 1 (Java), Programming 2(C++), Data Structures, Engineering Statistics,Computational Linear Algebra, Computer Organization and Architecture

TECHNICAL SKILLS

- Languages: Java, C++, HTML/CSS, MATLAB, JavaScript
- Developer Tools: Git, CLion, intellij, VS Code, Visual Studio, XCode

PROJECTS

Florida Weather Record Visualizer | *Python*
- Worked with a team in a Hackathon to make a program that took temperature data of the last decade of some cities in Florida through json files to output the data in an organized way
- Used Jupyter notebooks with python and pandas and matplotlib library to display graphs and visuals of difference in temperatures between cities and over the years

Global Chart Music Connector | *C++*
- Worked with a team to create a program that reads data from Spotify Charts for different countries and allows the user to see how related different countries are in terms of song overlap.
- Uses hashtables with separate chaining to store different data(name, artist, region) and uses a weighted, undirected graph to set the relationship between the regions
- Comparison of runtime between using an STL hashtable to an implemented one is also made with observed runtimes being similar with each other

Minesweeper | *C++, SFML(simple and fast Multimedia) library*
- Allows the user to create a minesweeper game based on their specified width, height and number of mines
- Has three test cases boards to check the algorithm functionality of the game

Web-Calculator | *HTML/CSS, Javascript*
- Web-based Calculator that allows the user to perform the basic computations

Portfolio Website | *HTML/CSS*
- Personal Website designed through CSS elements and animation

Pokemon Pokedex | *Java*
- A pokedex which allows you to enter pokemon names, get their stats, evolve them and sort them

INVOLVEMENT/LEADERSHIP

J.P Morgan Virtual Experience Program Participant | *Aug. 2021*
- Participated in the open access J.P Morgan Investment Banking Virtual Experience with insideSherpa
- Manipulated stock data feeds visually through perspective tools in Javascript

CodePath Certificate in Advanced Software Engineering | *May 2022 - Aug. 2022*
College Clubs | *Aug. 2020 - Present*
- Member of: Women in Computer Science Engineering (WiCSE), Society of Software Developers

PROFESSIONAL EXPERIENCE

Event Staff/CSC (Contemporary Service Cooperation)   Aug. 2021 – Present
University of Florida   *Gainesville, FL*
- Executed operational customer service tasks of scanning tickets and guarding prohibited areas during football games
- Informed and guided customers on entry gates and opening time