PRINCY JAIN

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EDUCATION

VIT Bhopal University   Bhopal, MP

Bachelor of Technology in Computer Science and Engineering   *Sept. 2022 – Ongoing*

PROJECTS

Flappy Bird Game | *Python*   Link

- Developed a Flappy Bird game using Python and the Pygame library, allowing players to control a bird using the spacebar and up-arrow key to navigate through pipes.
- Implemented a welcoming screen that displays the player's high score and prompts the player to start the game.
- Programmed dynamic pipe generation and movement to provide a challenging, endless gameplay experience.
- Added collision detection to manage events like the bird hitting the ground or the pipes.
- Integrated a high-score system that saves and updates the highest score across game sessions.
- Demonstrated skills in Python programming, game development, and the use of Pygame for GUI and game mechanics.

Third Umpire Decision Kit | *Python*   Link

- Developed a Third Umpire Decision Review Kit in Python using Tkinter for the GUI.
- Added intuitive buttons for video playback control, including frame-by-frame navigation and speed adjustments.
- Displayed sponsor images during pauses and decision outcomes like "Out" or "Not Out" with graphics.
- Implemented multithreading to ensure smooth performance without freezing the interface.
- Demonstrated proficiency in Python, GUI development with Tkinter, video processing with OpenCV, and multithreading for better user experience.

Snake Game | *Python*   Link

- Developed a basic Snake game using Python and Pygame.
- Implemented smooth movement using arrow keys, random apple spawning, and a score system.
- Snake reappears at opposite edges; game ends if it collides with itself.
- Added a "Game Over" screen, clock timer, and 25 FPS for smooth gameplay.

Spotify Clone | *HTML, CSS, JavaScript*   Link

- Developed a Spotify clone using HTML, CSS, and JavaScript.
- Implemented a responsive layout with a navigation sidebar, playlist display, and functional buttons for sign-up and login.
- Designed dynamic UI elements such as a library section, playlist cards, and a playback control system.
- Currently working on completing interactive features and integrating JavaScript functionalities.

TECHNICAL SKILLS

Languages: HTML, CSS, C++, Python, JavaScript, NodeJS, MongoDB

General: Data Structures and Algorithms, Object Oriented Programming

CODING PLATFORM

Leetcode: 150 + solved questions   Link

Hackerrank: 150+ solved questions

ADDITIONAL INFORMATION

Hobbies: Dancing, Badminton, Cooking

Languages: English, Hindi