Nihaar Mascarenhas

📞 +917201392067   ✉️ nihar.adhiep@gmail.com   in https://linkedin.com/in/nihaar-mascarenhas

Experience

IBM Skills Build   **June 2023 – July 2023**
Software Engineer Intern   *Mumbai, Maharashtra*
- Developed a service to automatically know the best movies recommended by users from different review systems.
- Incorporated scripts using Python to aggregate CSV files into an organized format which is loaded to the latest filtered data onto the hardware, then testing is performed to gain accurate results.
- Made different data cubes of particular datasets to make a better recommendation system.
- Used visualization techniques to help attain a better view of how movies are recommended in the past and present.

Projects

Hotel Management System | *Java, Net Beans, MySQL*   **June 2022**
- Developed an online application Management System for Hotel employees to use to get a better working experience.
- Implemented MySQL with Java using JDBC to create a database which can handle online real-time changes to the status of rooms, employers and customers.
- Used Net Beans to handle the Admin and Customer side of entities used to make changes within the data of the system.
- Developed visual tables to describe the status of different rooms and systems.

Brick Breaker Game | *Java, VS Code*   **November 2022**
- Created a Java game based on the original Brick Breaker Game with stylized format.
- Processed user input to place the tile in the game to hit as many blocks/bricks with the ball and win.
- Utilized the layout editor to create a UI for the application in order to allow different scenes to interact with each other.

Railway Concession System | *HTML, CSS, JavaScript, Firebase*   **March 2023**
- Designed a concession system to allow students to make their own form for railway or bus services.
- Used Firebase to keep track of the students, their forms and the expiry dates on those forms.
- Removed the middle-men in the business and make the option of directly printing out the form from the student themselves.

A.I. ChatBot | *Python, VS Code, Flask, OpenAI*   **October 2023**
- Designed a Chatbot using OpenAI to handle user queries using different methods such as voice and image.
- Implemented OpenAI to develop speech-to-text and text-to-speech and speech-to-speech, etc.
- Process images using Flask and Python to generate similar results to the original image given by the user.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Eclipse, Net Beans, Android Studio
Technologies/Frameworks: NodeJS, ReactJS, ExpressJS, Bootstrap, Flask

Education

Vasantdada Patil College of Engineering, Mumbai University   **Dec. 2021 – Present**
BE in Computer Engineering - 8.85 CGPA

Shri GPM degree college of science and commerce, Mumbai   **June 2019 – May 2021**
HSC - 91.5

Holy Family High School, Mumbai University   **June 2009 – May 2019**
SSC - 83.6

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Internet Technology
- Systems Programming
- Object-Oriented Design