Chirag Panjwani

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EDUCATION

Ujjain Engineering College, Ujjain   **2020 - 2024**

B.Tech in Computer Science and Engineering-8.09 CGPA(6th Sem)

PROJECTS

Music Player Using Emotion Detection 🎧 **Github**   **Oct 2023 - Present**

- Designed a Music Player which detects your emotion and then opens the specific song according to the emotion detected
- Used **CNN** as a **deep learning algorithm** to recognize the emotion and also integrated the software with **Spotify** to provide wide variety of latest songs
- Currently working on UI part and will develop the well-designed **desktop application** for good user experience
- Technology Used : Python, CNN, OpenCV, Keras

ServerUs- A HTTP Web Server 🎧 **Github**   **Jul 2023 - Sep 2023**

- Single threaded webserver made in **C++** used to deploy **static** and **dynamic** web application.
- ServerUs supports for the **template HTML code** which helps in adding the **dynamic message** to a web application.
- To implement a template HTML code made a tool called **TPLFileParser** which consists of the required code.
- Followed the basic concepts of **object oriented programming** to make it user friendly.
- Technology Used : C++, Socket Programming, HTTP protocols

Date-Library-In-Cpp 🎧 **Github**   **Apr 2023 - Jun 2023**

- Developed a Date Library in C++ to handle date-related operations and calculations
- Implemented various functionalities, including **date validation**, **date arithmetic**, **date comparison**, and **date formatting**.
- Incorporated **exception handling** to ensure error handling and proper handling of invalid or unsupported date inputs.
- Used **object-oriented principles** to create a user-friendly implementation that makes it easy to interact with the Date Library's functions.
- Technology Used : C++, Object Oriented Programming

Drum-Kit 🎧 **Github**   **Jun 2022**

- Designed **Clean and minimalist** interface with large drum buttons.
- Used **JavaScript** to handle event listeners and button animation and separate **CSS** file for styling all visual elements.
- **7 drum sounds**: Kick, snare, crash, and toms 1-4.
- **Trigger options**: Click individual drum buttons or press corresponding keyboard keys (w, a, s, d, j, k, l).
- Technology Used : JavaScript, HTML, CSS

EXPERIENCE

Martian Summer Intern-Persistent Technology 📄 **Certificate**

June 2023- July 2023

- Got the opportunity to develop skills set and interest towards **Python DBMS, DSA & LINUX**.
- The program helped in enhancing problem-solving abilities by applying **data structures and algorithms**
- Learnt how to design, create, and manage databases using a **DBMS**
- Developed a strong foundation in **Python**, a versatile and widely-used programming language
- Became proficient in **Linux**, which is essential for server management and system administration

TECHNICAL SKILLS

- **DSA :** Solved 300+ Questions on various Online-Coding-Platform
- **C++** : STL, Socket Programming, Modern C++
- **Java** : Reflection API, AWT, Swing, JDBC, Network Programming
- **Python** : Keras, OpenCV
- **Frontend** : HTML, CSS, Bootstrap, Javascript