Pawar Shubham

Ahmedabad, Gujarat
+91 9099180774
pawar.shubham.live@gmail.com
https://pawar-shubham.github.io/Portfolio

Software Engineer

Education

- **Bachelor Of Engineering**

  - LDRP Institute Of Technology And Research
  - Gandhinagar, Gujarat
  - Year Of Passing: 2025

- **Diploma In Computer Engineering**

  - Government Polytechnic Ahmedabad
  - Ahmedabad, Gujarat
  - Year Of Passing: 2022

Technical Skills

- Python
- React Native
- Machine Learning
- MySQL
- Restful API
- Flask
- JavaScript
- Html
- CSS

ACHIEVEMENTS

- **IMPLEMENTED AND HOSTED A SERVER**
  - CREATED AND HOSTED A PYTHON AND HTTPS SERVER USING G-UNICORN SERVER.
- **IMPLEMENTED AN ONLINE AUTHENTICATION SYSTEM WITH SECURITY.**
  - IMPLEMENTED AN ONLINE AUTHENTICATION SYSTEM USING ENCRYPTED RESTFUL APIS AND DATABASE CONNECTIVITY USING PYTHON AND REACT NATIVE.
- **IMPLEMENTED RESTFUL APIS**
  - IMPLEMENTED RESTFUL APIS IN PYTHON WITH FLASKS.
- **IMPLEMENTED A MUSIC CRAFTING ALGORITHM**
  - CREATED AND IMPLEMENTED AN MUSIC COMPOSING ALGORITHM THAT EXHIBITS AN ACCURACY RATE OF APPROXIMATE 90%.
  - THE ALGORITHM IS DESIGNED AND BASED ON MUSIC THEORY.
- **IMPLEMENTATION OF MIDI INTEGRATION**
  - CREATED .MIDI FILES USING PYTHON PROGRAMMING WHICH CAN BE IMPORTED.
  - THESE MIDI FILES ARE ABLE TO INTEGRATED IN ANY DIGITAL AUDIO WORKSTATION (DAW).
- **IMPLEMENTED AUDIO PROCESSING.**
  - IMPLEMENTED AUDIO PROCESSING USING PYTHON MODULES LIKE NUMPY, PYAUDIOANALYSIS, PYDUB, ETC.
- **IMPLEMENTED AUDIO STREAMING**
  - IMPLEMENTED AUDIO STREAMING USING PYTHON AND REACT-NATIVE. WHICH HELPED US TO MAKE OUR APPLICATION LIGHTWEIGHTED DUE TO WHICH THE APPLICATION TOOK ONLY ADEQUATE AMOUNT OF MEMORY.
- **IMPLEMENTED UX DESIGNS**
  - IMPLEMENTED USER EXPERIENCE DESIGNS IN REACT-NATIVE DESIGNS.
  - ALSO HAVE HANDS ON EXPERIENCE WITH FIGMA AND MIRO.
- **TESTING AND DEBUGGING**
  - ALSO HAVE HANDS ON EXPERIENCE WITH TESTING AND DEBUGGING OF PYTHON, REACT NATIVE AND JAVA SCRIPT CODES.
- **IMPLEMENTED BACKEND AND DATABASES**
  - SUCCESSFULLY IMPLEMENTED AND MANAGED MULTIPLE PYTHON SERVERS ENSURING ROBUST AND SCALABLE SOLUTIONS FOR DIVERSE PROJECT REQUIREMENTS.
- **IMPLEMENTED AXIOS APIS**
  - IMPLEMENTED APIS WITH AXIOS IN REACT NATIVE TO ENHANCE DATA FETCHING AND API COMMUNICATION, IMPROVING THE EFFICIENCY AND RESPONSIVENESS OF THE APPLICATION.

- **IMPLEMENTED DOWNLOAD FEATURE.**
  - SUCCESSFULLY IMPLEMENTED AN "DOWNLOAD" FEATURE, ENHANCING USER INTERACTION AND PROVIDING A PERSONALIZED EXPERIENCE WITHIN THE APPLICATION
- **IMPLEMENTED THE WAV FILE CREATION ALGORITHM.**
  - IMPLEMENTED AN ALGORITHM WHICH CAN CREATE WAV FILES AFTER TAKING MIDI AND CHORD PROGRESSION AS INPUT.
- **IMPLEMENTED ADD TO FAVOURITES FEATURE**
  - SUCCESSFULLY IMPLEMENTED AN "ADD TO FAVOURITES" FEATURE, ENHANCING USER INTERACTION AND PROVIDING A PERSONALIZED EXPERIENCE WITHIN THE APPLICATION.
- **IMPLEMENTED DECISION TREE MODEL**
  - SUCCESSFULLY IMPLEMENTED DECISION TREE MODEL FOR MACHINE LEARNING.
- **IMPLEMENTED RANDOM FOREST MODEL FOR MACHINE LEARNING**
  - SUCCESSFULLY IMPLEMENTED RANDOM FOREST MODEL FOR MACHINE LEARNING.

ACCOMPLISHMENTS

- PLACED 1ST AT PROJECT EXPO 2022
  - HOSTED BY: GOVERNMENT POLYTECHNIC AHMEDABAD
  - CANDIDATES: 60 TEAMS
  - DATE: 5/4/2022 TO 6/4 /2022
  - CERTIFICATE: Expo-Certificate
- INTERNSHIP ON PYTHON PROGRAMMING
  - HOST: INFOLABZ AHMEDABAD
  - DATE: 24/5/2021 TO 8/6/ 2021
  - CERTIFICATE: Infolabz-Certificate

PROJECTS

- SKYCHORDS
  - TECHNOLOGIES: PYTHON | REACT NATIVE | MYSQL | G-UNICORN
  - DESCRIPTION: AN ANDROID APPLICATION WHICH CREATES INFINITE AMOUNT OF CHORD PROGRESSIONS OR BASIC MELODY. WHICH CONTRIBUTES TO OVERCOME BEAT-BLOCK OF BOTH NEW AND EXPERIENCED MUSICIANS AROUND THE WORLD TO COMPOSE A NEW MELODY.
  - TIMELINE :- 2022
  - GITHUB LINK : - SkyChords (PRIVATE)
- PHISHY
  - TECHNOLOGIES: PYTHON | MACHINE LEARNING
  - DESCRIPTION: A PYTHON PROGRAM WHICH CAN BE USED TO IDENTIFY PHISHING SITES FROM THE INTERNET. THIS PROJECT IMPLEMENTS MACHINE LEARNING AND HANDWRITTEN RANDOM FOREST MODEL AND MENDELEY DATASETS TO IDENTIFY THE PHISHING SITES. THE PROGRAM SHOWS ACCURACY OF ABOUT 92%.
  - TIMELINE: 2024
  - GITHUB LINK : - Phishy

LINKS

LeetCode   GitHub   LinkedIn