PROJECT DOCUMENTATION

CODECLAUSE INTERNSHIP

Project ID – #CC9863
Project Title – Password Generator
Internship Domain – Python Development Intern
Project Level – Entry Level
Assigned By– CodeClause Internship
Assigned To– Abhishek Sahoo

Start Date – 01 Jun 2024	**End Date –** 30 Jun 2024

Project Details–

Aim -

Create a password generator that generates strong and random passwords.

Description–

Build a program that allows users to specify password requirements (length, inclusion of numbers/symbols, etc.) and generates a secure password.

Technologies–

Python
You can use other technologies that you know.

What You Learn–

Generating random strings, User-defined functions, Basic password security concepts.

Project ID – #CC9864
Project Title – Music Player in Python
Internship Domain – Python Development Intern
Project Level – Intermediate Level
Assigned By– CodeClause Internship
Assigned To– Abhishek Sahoo

Start Date – 01 Jun 2024	**End Date –** 30 Jun 2024

Project Details–

Aim -

Develop a music player using Python that allows users to play, stop, pause music, and select a folder to play all songs within that folder.

Description-

Create a music player application with basic controls such as play, stop, and pause. Users should be able to select a folder, and the application should be able to play all music files within that folder sequentially.

Technologies-

Python
You can use other technologies that you know.

What You Learn-

Handling user inputs for controlling music playback, Working with file systems to navigate folders and play music files.

Project ID – #CC9865
Project Title – Advanced URL Shortener with Analytics
Internship Domain – Python Development Intern
Project Level – Golden Level
Assigned By– CodeClause Internship
Assigned To– Abhishek Sahoo

Start Date – 01 Jun 2024	**End Date –** 30 Jun 2024

Project Details–

Aim -

Create a URL shortener that tracks click analytics.

Description–

Build a URL shortening service with user authentication, link tracking, and analytics features.

Technologies–

Python, Flask/Django, Database (SQLite/MySQL/PostgreSQL),
You can use other technologies that you know.

What You Learn–

user authentication, database interactions.

Project ID - #CC9866
Project Title - Assistant with UI
Internship Domain - Python Development Intern
Project Level - Golden Level
Assigned By- CodeClause Internship
Assigned To- Abhishek Sahoo

Start Date - 01 Jun 2024	**End Date -** 30 Jun 2024

Project Details-

Aim -

Interactive Voice Assistant with User Interface.

Description-

Create a user-friendly voice assistant with a graphical user interface. When the user clicks the microphone button, the application should record the user's voice, process the command, and display the interpreted command on the screen. The assistant should then respond with relevant information, solutions, or feedback based on the command.

Technologies-

Python, Flask/Django, Database (SQLite/MySQL/PostgreSQL),
You can use other technologies that you know.

What You Learn-

Voice recognition integration with UI, Text-to-speech synthesis, Handling user commands and providing appropriate feedback

Instructions-

1. There are no technology restrictions for project development. You are free to use any technology you are familiar with..

2. Ensure timely submission of projects before the deadlines.

3. There are no restrictions on completing entry-level and intermediate projects.

4. Avoid copying and pasting code. Be original in your submissions.

5. Upon completion, submit your all projects on app.internship.codeclause.com.

Eligibility Criteria:

1. Completion of one project makes you eligible for a certificate.

2. Completion of two projects (entry-level and intermediate) qualifies you for a certificate and Letter of Recommendation (LoR).

3. Completion of two projects (entry-level and intermediate) with one golden project makes you eligible for swags verification.

4. It only eligibles to you for swags verification it doesn't means that you are eligible for swags.

5. There are two golden projects you need to do any of them.

6. There is not technology restrictions for projects.

7. If project found copied then you are eligible for swgas.

8. If golden project needs to be dynamic and proper working.

9. Console based projects are not eligible for swags. Proper Ui is required to eligible for swags.

10. Needs to post video of demo of golden project on LinkedIn and it should includes only the output of project no need to share the code.