

### Problem Statement:

Create a simple Web Application which takes the following user input: Username, Mail ID, Department, Project Links and Description and an option to upload profile image.

It must display the user profile information as personal profile page filled with the information given by any user.

## Requirements:

Flask==3.1.0

Jinja2==3.1.5

PyHTML==1.3.2

### Frameworks used:

- **Flask** for application back-end
- **Jinja2** templating, **HTML** and **CSS** for application front-end
- **Pyhtml** for HTML generation
- **Files** for storing data

## About the Web Application:

This is a simple Flask-based web application that allows users to create, view, and manage their personal profiles. The app includes features such as signing in, signing up, and updating profile information. Users can input their username, email, department, project links, description, and optionally upload a profile image. The profile data is stored in CSV files, and the profile image is saved to a specific directory. After signing in, users can view their personal profile page, which displays the information they provided. The application uses Flask for the backend, Jinja2 for HTML templating, and basic file handling to manage user data and images.

### Folder Structure:

C:\Users\Administrator\OneDrive\Desktop\ACEWebDev\

1

```
|— app.py # Flask app
```

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```
|— data/                                # Data folder
```

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| |— CurrentUser.csv

```

|   |— ProfileData.csv
|   └— UsernamePassword.csv
|
|— HTMLGeneration/                                # HTML generation scripts
|   |— createCreateProfile.py
|   |— createHomePage.py
|   └— createShowProfile.py
|
|— static/                                        # Static files (CSS, uploads, etc.)
|   |— uploads/                                # Uploaded images
|       |— img.jpeg
|       |— jskarthik.jpeg
|       |— karthik.jpeg
|       |— naren.jpeg
|       └— pranav.jpeg
|   └— style.css                                # Stylesheet
|
└— templates/                                    # HTML templates for rendering
    |— createProfile.html
    |— index.html
    |— showProfile.html
    └— signin.html

```