GitHub Developer Profile Generator

This project is a simple Python program that generates a mini developer profile card using a class called Profile. It was created as part of Assignment 1: GitHub Developer Profile Generator.

📌 Features

Define a developer profile with attributes:

Name

Favorite Programming Language

Hobby

Tech Stack (list of tools)

GitHub Username

Fun Fact

Implements three methods:

introduce() → Prints an introduction message.

show\_stack() → Displays the tech stack in a nice format.

github\_link() → Returns the GitHub profile URL.

📝 Example Output

Hi, I'm Alngellah Kyazze. I love Python and my hobby is reading blogs.

Fun fact about me: I can debug with music on!

My tech stack includes:

- Python

- Django

- Git

- Html and CSS

My GitHub Profile: https://github.com/Angellah\_Kyazze

⚙ How to Run

Clone this repository:

git clone https://github.com/your-username/github-profile-generator.git

Navigate into the project folder:

cd github-profile-generator

Run the script:

python profile.py

📂 Files Included

profile.py → Main Python script containing the Profile class and example usage.

README.md → Documentation for the project.

🎯 Learning Outcomes

By completing this assignment, you will be able to:

Define Python classes with attributes and methods.

Use lists as class attributes (tech stack).

Generate formatted output like a developer profile card.

Commit and push code to GitHub using a professional workflow.

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# profile.py

class Profile:

    def \_init\_(self, name, favorite\_language, hobby, tech\_stack, github\_username, fun\_fact):

        self.name = name

        self.favorite\_language = favorite\_language

        self.hobby = hobby

        self.tech\_stack = tech\_stack  # expects a list

        self.github\_username = github\_username

        self.fun\_fact = fun\_fact

    def introduce(self):

        return f"Hi, I'm {self.name}. I love {self.favorite\_language} and my hobby is {self.hobby}. Fun fact: {self.fun\_fact}"

    def show\_stack(self):

        stack = ", ".join(self.tech\_stack)

        return f"My tech stack includes: {stack}"

    def github\_link(self):

        return f"https://github.com/{self.github\_username}"

# ---- Example usage ----

if \_name\_ == "\_main\_":

    # Create your profile here

    my\_profile = Profile(

        name="Angellah\_Kyazze",

        favorite\_language="Python",

        hobby="Reading blogs",

        tech\_stack=["Python", "Django", "Git", "HTML", "CSS"],

        github\_username="Angellah\_Kyazze",

        fun\_fact="I can debug faster with music on!"

    )

    # Call methods

    print(my\_profile.introduce())

    print(my\_profile.show\_stack())

    print("GitHub Profile:", my\_profile.github\_link())