








Python Project-1



Project Title: "SmartResume Validator & Formatter"

Problem Statement:

Build a **Smart Resume Analyzer and Formatter** using Python, which:






-  **Validates** sections like Name, Email, Phone Number, Skills, and Experience
-  **Formats** the text cleanly for better readability
-  **Highlights errors**, missing info, and suggests corrections
-  Uses **only string manipulation methods** (no NLP libraries allowed)
-  Can be extended into a web app or resume builder 🚀



Features

1. **Accept raw input** from users in text form (copy-pasted or uploaded **.txt**).
2. Parse string sections like **Name, Email, Phone, Skills, Experience**.
3. Validate:
 - Email format using **@, .**
 - Phone number format (10 digits)
 - Skills as comma-separated words
4. Normalize formatting: Capitalize name, strip spaces, reorder sections.
5. Print clean, formatted resume output.
6. Give suggestions for missing or malformed fields.

Extension Ideas (Turn It Into a Product)

-  Create a **CLI tool** for resume cleanup
-  Build a **Tkinter GUI** version for students
-  Turn into a **Flask web app** with file upload and real-time feedback
-  Add support for **.txt**, **.docx** parsing using **docx2txt**
-  Add a section for **auto-formatting into a PDF**