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Resume Generator software development phases:

- Develop a GUI-based application that assists users in generating a descriptive and accurate resume.

- Our application must permit users to input and edit personal information to cater to their needs…. More specifically their educational background, work experience, skills, projects, and additional details relevant to potential employers.

- We want the application to be user-friendly and have an interface with multiple tabs for different resume sections.

- The application should be able to output, print, or load the user's resume in a structured format

- Provide unique value to users and develop efficient applications for potential future monetization.

ANALYSIS:

- The "Just-in-Time Resume Generator" will need a main window to house the various tabs (Personal Information, Education, Work Experience, Skills, Other, Output/Print/Load.

- Each tab in the generator must have fields for users to enter specific details that will later be structured in resume format.

- Data structures (like dictionaries) will be required to store user input for each section of the resume.

- The application should validate user input and allow editing.

- The functionality to save, print, or export the resume needs to be implemented to be more user-friendly and efficient.

DESIGN:

- We must utilize the Tkinter library for the GUI components of the resume application.

- We must structure the main window to hold multiple tabs using ttk.Notebook.

- We must design each tab with appropriate input fields and labels…. Ex:

  Personal Information: Name, LinkedIn, GitHub, Phone, Email.

  Education: Degree details, GPA, school name, etc.

Work Experience: Company name, role, responsibilities.

Skills: Skill name, years of experience.

Projects: Project name, details, event association.

- Need to incorporate a Output/Print/Load: Must have options to save, print, or load the resume > user optimization.
- Implement validation and error handling for user inputs/potential miscommunications
- Provide functionality to compile and format the resume data into a presentable document that can be directly sent to employers.

Implementation/Code: