

Project Initialization and Planning Phase

Date	15 March 2024
Team ID	SWTID1720161415
Project Title	JobSwift : Accelerating Careers with AI Powered Applications
Maximum Marks	3 Marks

Project Proposal (Proposed Solution) template

Project Overview	
Objective	Develop an AI-powered platform, JobSwift, to streamline the job application process and empower users in their career advancement journey.
Scope	The project includes developing features for resume generation, cover letter generation, interview question preparation.
Problem Statement	
Description	Job seekers face challenges in creating effective job application materials, showcasing transferable skills, and preparing for interviews, leading to missed career opportunities and frustration.
Impact	Addressing these challenges will empower users to present themselves effectively to potential employers, accelerating their career aspirations and improving job market competitiveness.
Proposed Solution	
Approach	Utilize AI technology, specifically Google's PaLM (Pathways Language Model) API, integrated with Streamlit for interactive user interfaces, to automate resume and cover letter generation, and interview question preparation based on user inputs.
Key Features	<input type="checkbox"/> AI-driven resume and cover letter generation tailored to user profiles. <input type="checkbox"/> Integration with Facebook and Gmail for streamlined registration. <input type="checkbox"/> Personalized interview question preparation based on user-

	provided skills.
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Resource Requirements

Resource Type	Description	Specification/Allocation
Hardware		
Computing Resources	CPU/GPU specifications, number of cores	CPU: Apple M1 chip with 8-core
Memory	RAM specifications	8GB unified memory
Storage	Disk space for data, models, and logs	256GB SSD
Software		
Frameworks	Python frameworks	Streamlit
Libraries	Additional libraries	Google PaLM API client, Streamlit
Development Environment	IDE, version control	VS Code, Git
Data		
Data	Source	User inputs