

Project Initialization and Planning Phase

Date	27 July 2024
Team ID	SWTID1719935402
Project Title	CareerCraft: ATS-Optimized Resume Analyzer using Gemini Model
Maximum Marks	3 Marks

Project Proposal (Proposed Solution)

Project Overview	
Objective	To create an optimized ATS Friendly Resume Analyzer using Google Gemini AI Model
Scope	Utilizing the Google's AI model helps us to save time by optimizing keyword matching, formatting and detection sections for enhancing the compatibility.
Problem Statement	
Description	Most of the resume documents get rejected automatically due to poor formatting, missing keywords and incompatibility.
Impact	Solving this problem will significantly improve the job application success rates by ensuring resumes are properly formatted, keyword-optimized, and ATS-compatible.
Proposed Solution	
Approach	Utilizing the Google's Generative AI model – Gemini by using it's API to create the application.
Key Features	Gemini AI is very advanced generative AI model and it is easy to integrate with any kind of application formats.

Resource Requirements

Resource Type	Description	Specification/Allocation
Hardware		
Computing Resources	CPU/GPU specifications, number of cores	CPU – 6 core 12 threads AMD Ryzen or Intel Core CPU
Memory	RAM specifications	Minimum – 8 GB Recommended – 16 GB
Storage	Disk space for data, models, and logs	Required – 1 GB
Software		
Frameworks	Python frameworks	StreamLit UI
Libraries	Additional libraries	google.generativeai, os, PyPDF2, PIL
Development Environment	IDE, version control	Jupyter Notebook via Visual Studio Code
Data		
Data	Source, size, format	Few resume templates and examples