

Project Planning Phase-III

Technology Stack (Architecture & Stack)

Date	03 October 2022
Team ID	PNT2022TMID591322
Project Name	The Future Of Work: Data Analysis Of Glassdoor Jobs
Maximum Marks	4 Marks

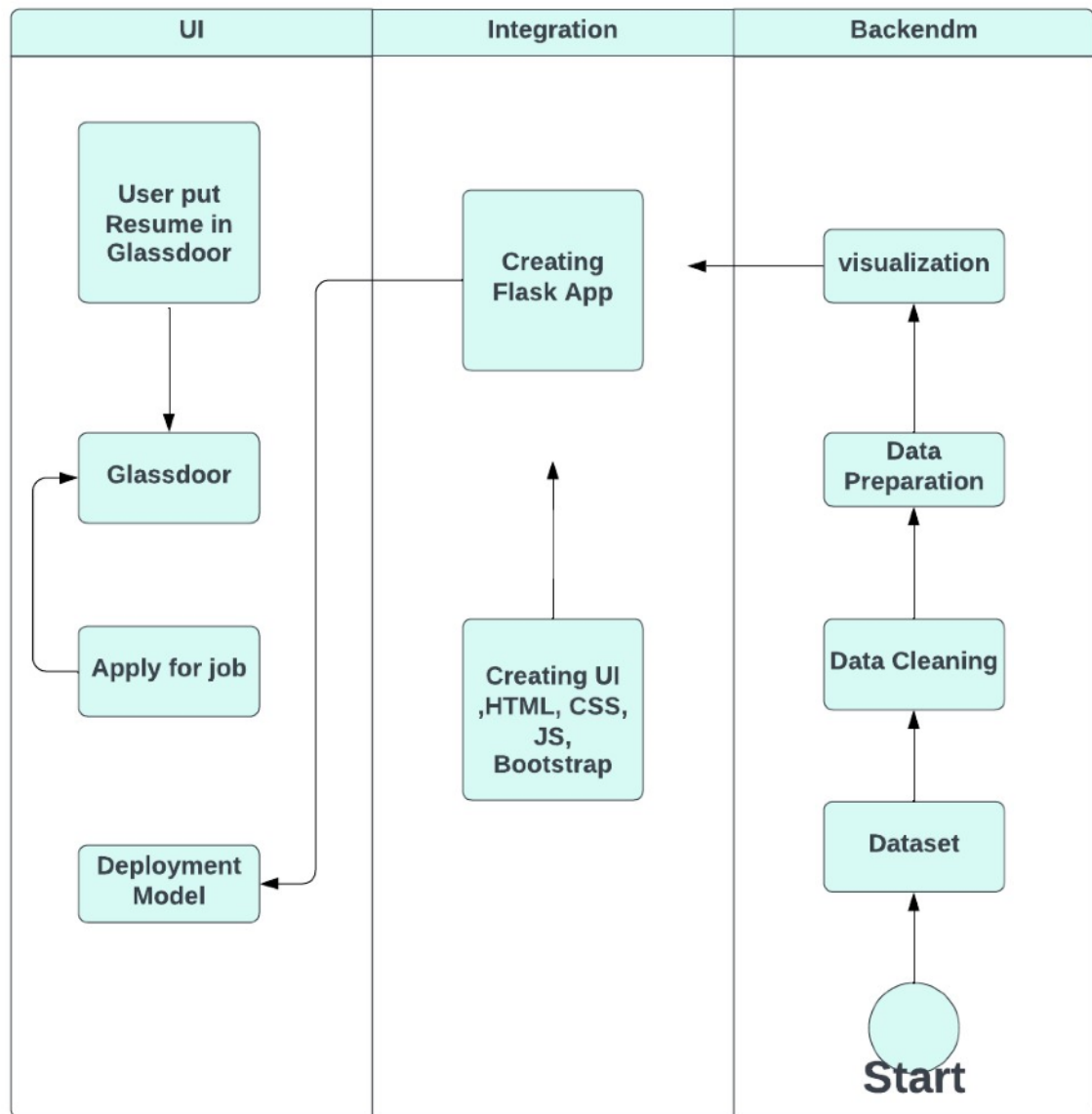


Table-1: Components & Technologies:

S.no	Component	Description	Technology
1.	User Interface	How user interacts with the application e.g., website	HTML, CSS, JS, Bootstrap
2.	Application Logic-1	Logic for a process of application	Python
3.	Database	getting the real-time data set from the Kaggle	Local storage, MySQL
4.	File Storage/Data	File storage in the local sys as per the dataset	local system, Drives
5.	Frame Work	used to interacts with our dashboards, reports, and story	Python flask
6.	Machine Learning Algorithm	algorithm used to filter the DA jobs in Glassdoor website	ARIMA, Random Forest
7.	Infrastructure (Server/ Cloud)	application deployment on cloud and local system	local system, cloud foundry

Table-2: Application Characteristics:

S.no	Characteristics	Description	Technology
1.	Open-Source Frameworks	open-source framework	Python flask
2.	Security implementations	Data analysts are increasingly vital in the digital workforce, balancing data-driven insights with security, privacy, and compliance responsibilities	Data encryption, Firewalls, and Intrusion Detection Systems
3.	Scalable Architecture	The Future of Work" is a data analysis platform that leverages Glassdoor job data to provide insights into current job availability and trends. It employs advanced analytics and machine learning to inform users about the job market's future trajectory.	DBMS, web scraping, NLP, data visualization
4	Availability	The Future of Work" is a data analysis project that leverages data from the job search and company review website Glassdoor to provide insights into the evolving landscape of work opportunities	DBMS, web scraping, NLP, data visualization

5.	Performance	The Future of Work" is an innovative data analysis project that leverages information from the Glassdoor job platform to gain insights into the evolving landscape of employment	Data Scraping and Collection, Data Visualization, Web Development, Statistical Analysis
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