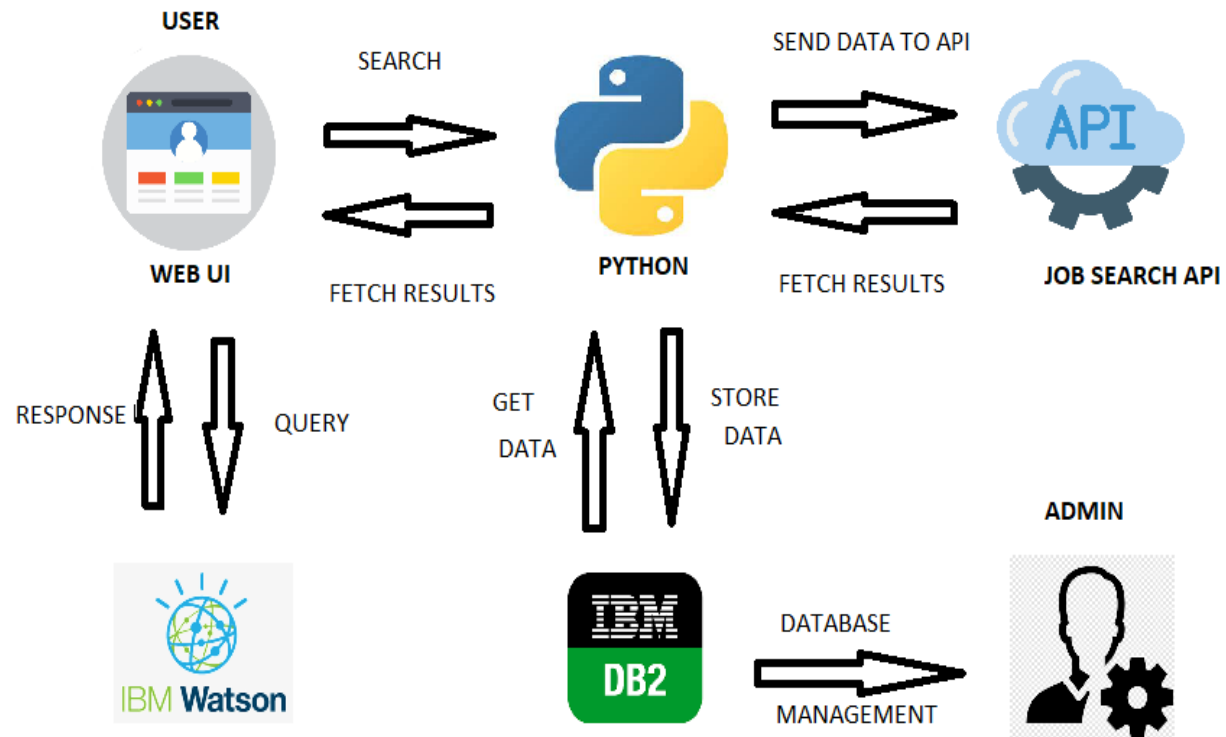


TEAM ID : PNT2022TMID02696

## TECHNICAL ARCHITECTURE



**TABLE 1: COMPONENTS AND TECHNOLOGIES:**

S.NO	COMPONENT	DESCRIPTION	TECHNOLOGY
1.	User Interface	How the user interacts with the application	HTML, CSS, JavaScript
2.	Search	Search for jobs using Content-based filtering	Python
3.	Chat	Chat with IBM Watson Assistant	IBM Watson Assistant
4.	User Application	The user applies for the desired company	Python Flask
5.	Cloud Database	Database Service on Cloud	IBM DATABASE
6.	Job Search API	Job Search API is used for finding relevant results	Google Job Search API
7.	Infrastructure	Application Deployment on Local System/Cloud Local Server	Local, Cloud Foundry, Kubernetes

**TABLE 2: APPLICATION CHARACTERISTICS**

<b>S.NO</b>	<b>CHARACTERISTICS</b>	<b>DESCRIPTION</b>	<b>TECHNOLOGY</b>
1.	Open source framework is used	Python flask framework	Python Flask
2.	Scalable Architecture	Three-tier architecture	Presentation tier- HTML, CSS, Javascript Application tier- Python Data tier-IBM DATABASE
3.	Availability	Balancing network traffic among servers	IBM Load balancer
4.	Performance	Number of requests per second, use of cache	IBM Content delivery network