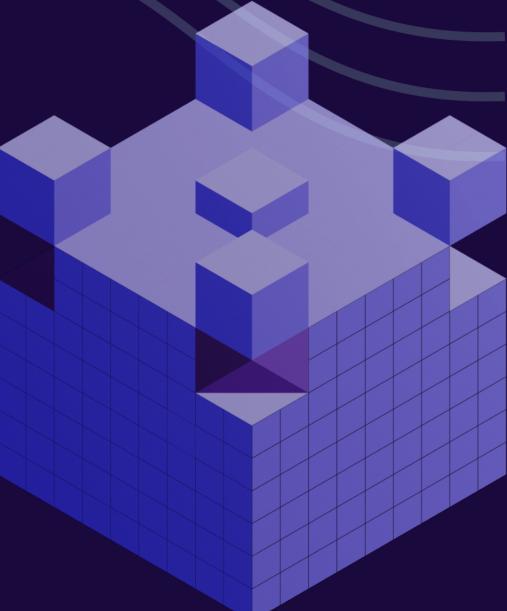




# Large Language Models Bankathon 1.0

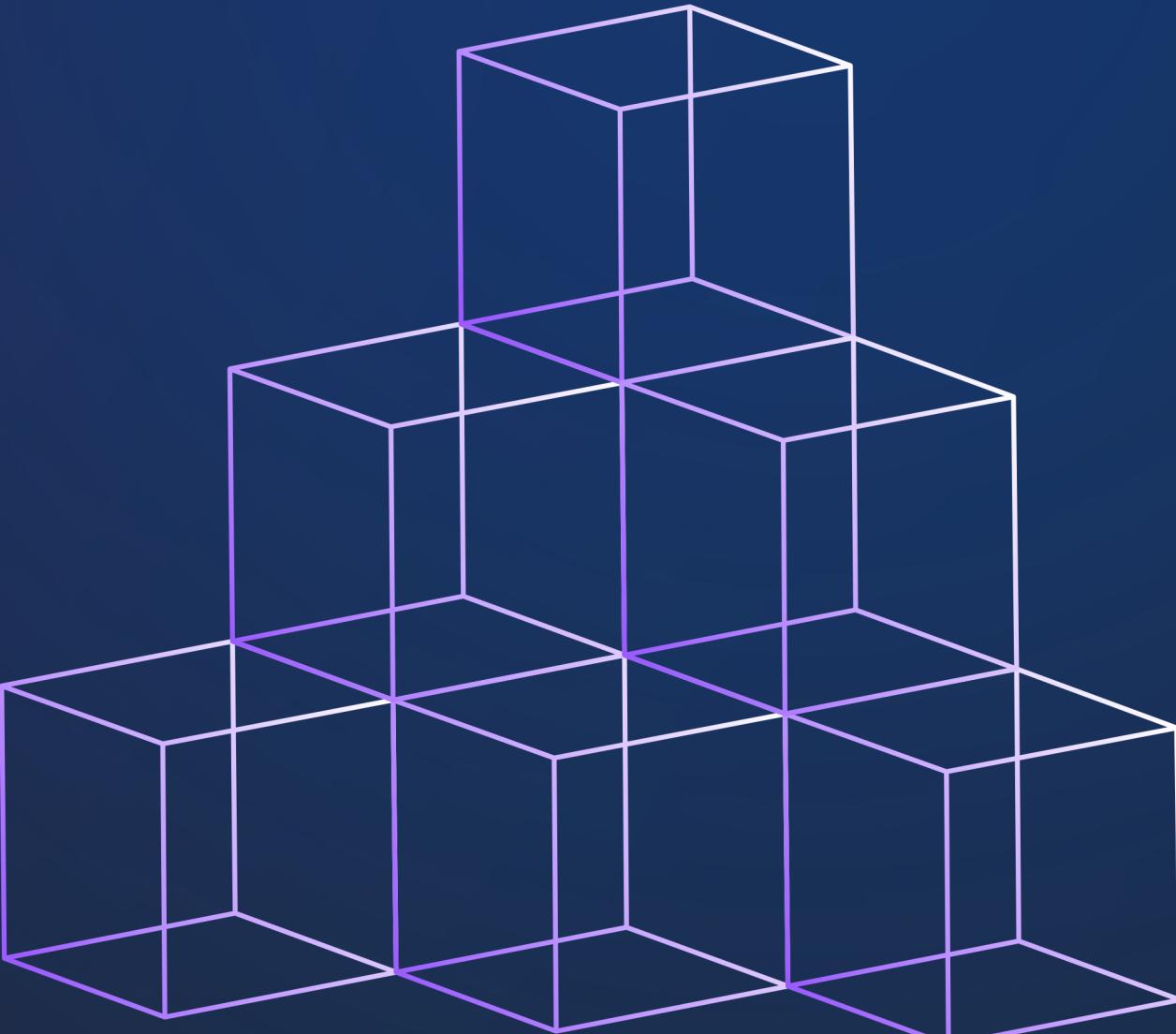
**Title : LLM based application  
for HR Process Optimisation**



# Team : Rescue Squad

**Kuldeep L**

- 2. Priyadarshini P**
- 3. Gladwin I**
- 4. Karthikeyan K**
- 5. Ashutosh Naufiyal**



# PROBLEM STATEMENT

- Build an LLM based application for HR process optimization with following features and more
- The LLM-based application simplifies and improves HR processes by using Language, Logic, and Machine Learning.
- It leverages Natural Language Processing, machine learning, and analytics to enhance efficiency, effectiveness, and decision-making in HR operations.
- This user-friendly, scalable, and customizable application integrates with existing HR systems and tools, ensuring smooth data flow and compatibility.
- Its ultimate goal is to optimize HR processes, minimize manual efforts, enhance decision-making, and improve the employee experience.

# Proposed Solution

**The proposed solution is an LLM based automated system for HR analytics that is capable of**

- 1. Accepting Resume in different formats like PDF, Docx, JPG and text files.**
- 2. Extracting data from resumes .**
- 3. Evaluating the Resume , suggesting the most matching jobs.**
- 4. Ranking Resumes based on Job Description and score the Resume with Dynamic Weightage methodology**

# Proposed Solution



- 5. Sending Email notification for shortlisted candidates**
- 6. Generating Screening question to candidates for interview process**
- 7. Scheduling Test for shortlisted candidates and record the candidates score in test for next Rounds**
- 8. Seamless Communication between candidates and HR**



# AXIS BANK

Large Language Models Bankathon 1.0

## COMPARISON WITH EXISTING SYSTEMS

	DATA EXTRACTION & DOMAIN SUGGESTION	RESUME RANKING	Q&A GENERATION	PROCTED TEST FOR CANDIDATES	HR PANEL FOR MANAGING ALL ACTIVITIES
FRESHERS WORLD.COM	✓	✗	✗	✗	✓
JOBSCAN.COM	✓	✗	✗	✗	✗
FIRST NAUKRI.COM	✗	✓	✗	✓	✗
REMOTE WOKR.COM	✗	✗	✗	✗	✓
OUR LLM BASED HR ANALYTICS SYSTEM	✓	✓	✓	✓	✓

# System competence



- Data extraction from resume**
- CV Ranking**
- Interview question generation**
- Job recommendation**
- E-mail communication**
- Performance Evaluation**



# TECHNOLOGIES USED

## FRONTEND

React JS

## DATABASE

Supabase  
(Postgres SQL)

## BACKEND

Python (Flask)

## LLM USED

Data Extraction from resume - Spacy model

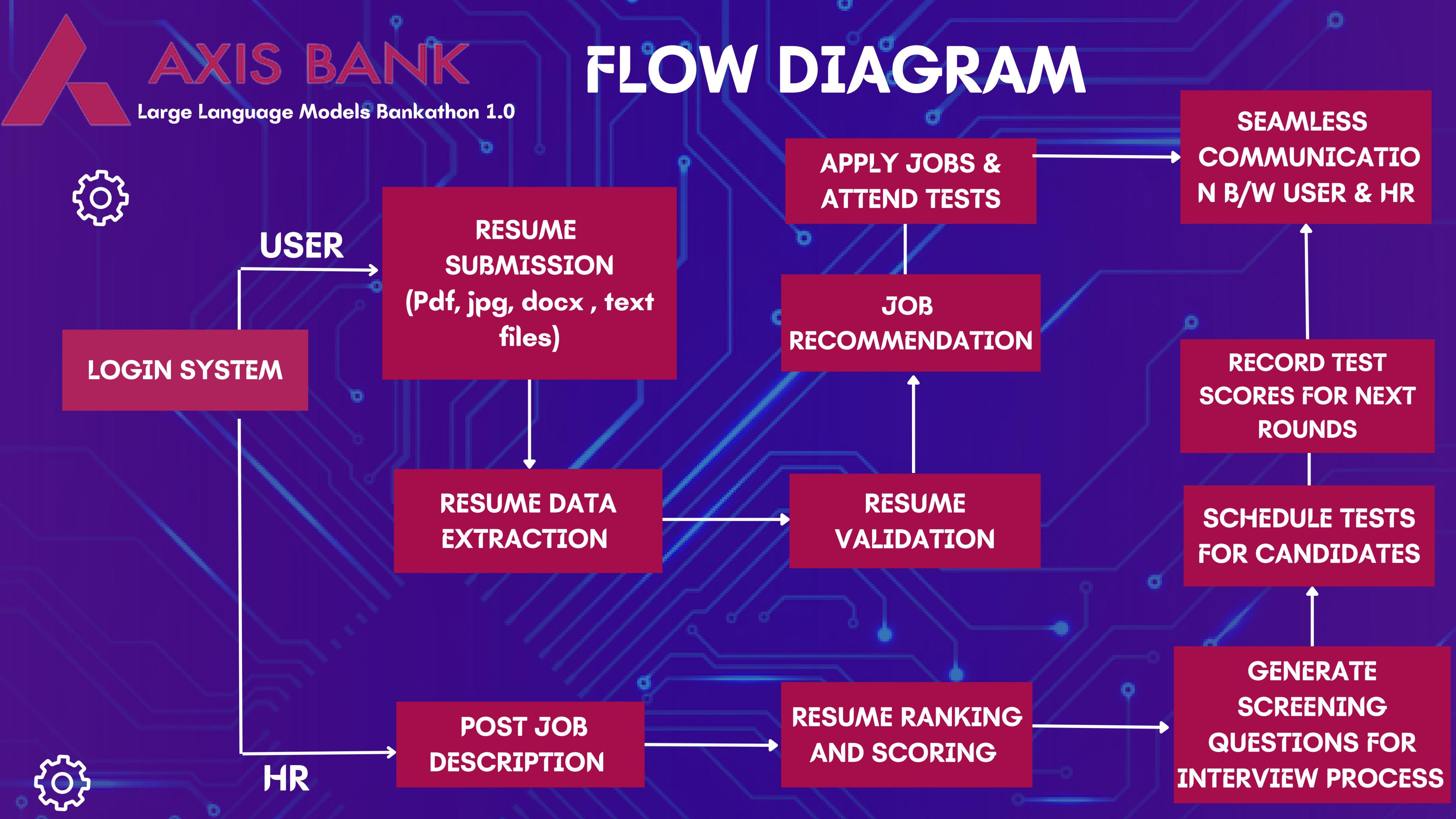
CV Ranking - Cosine similarity with dynamic weights

Content generation - Langchain , open ai

Screening Questions - Flan - T5 xxl

Job recommendation - Naive bayes algorithm

Chatbot System - LLAMA





**THANK YOU!**

- TEAM RESCUE SQUAD