



**NATIONAL LEVEL VIRTUAL HACKATHON**

# **SuPrathon 2K25**

**TEAM NAME: Mann-Mitra      PROBLEM STATEMENT ID : SP-OE**

**MEMBERS NAME: Akshat Sharma, Prateek kumar Prasad, Yatharth Chopra**

**ROLES: Team Leader, Front-End Developer, AI/ML Developer**

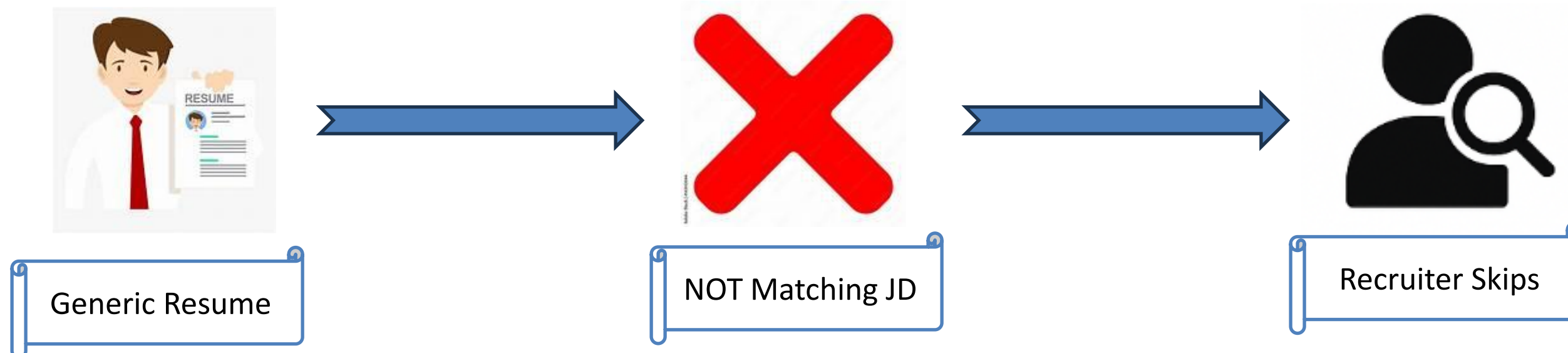
**Domain: AI/ML**

# PROBLEM STATEMENT

*“Many job seekers struggle to tailor their resumes to match job descriptions effectively”.*

## Why it matters :-

- Recruiters spend less than 10 seconds per resume.
- Generic resumes lead to missed opportunities.
- Students lack feedback on **missing or weak skills**.
- No intelligent tool to **score similarity** and **recommend improvements**.









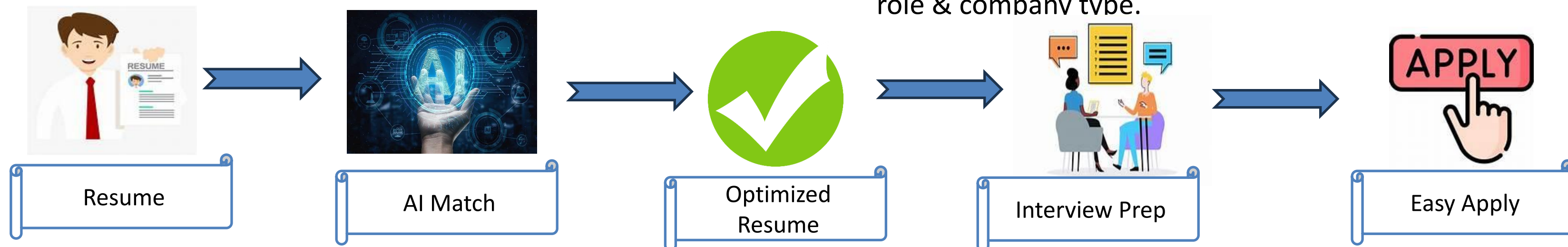
# PROPOSED SOLUTION

## What It Is :-

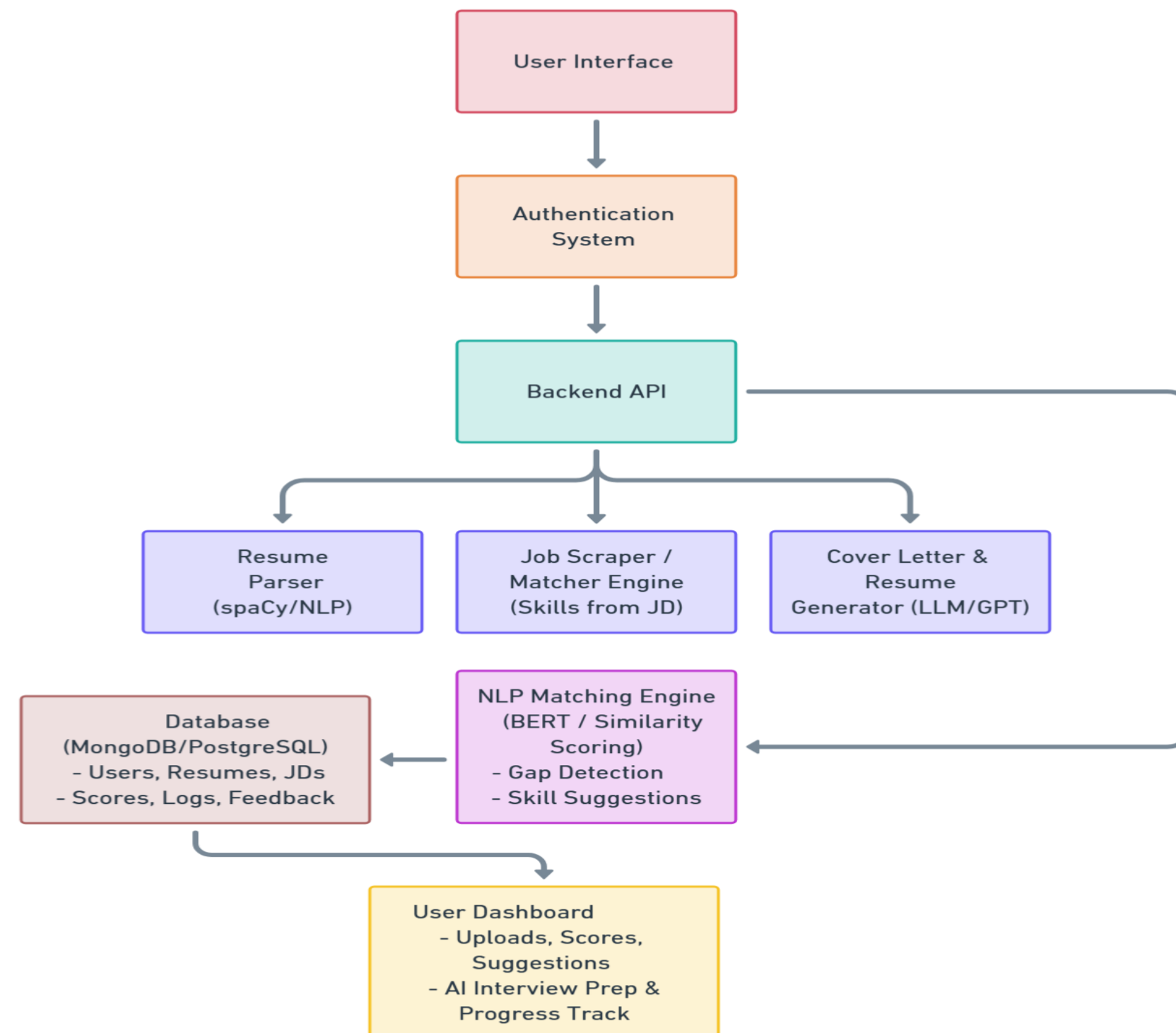
- An AI-powered web app that **analyzes resumes and job descriptions using NLP**,
- Calculates **similarity scores**
- Identifies **missing skills**
- Recommends **improvements**
- Helps students and jobseekers **optimize their resumes** for specific job roles

## Innovation / Key Features :-

-  **Search Jobs:** AI scans thousands of jobs and recommends the best-fit roles for your profile.
-  **Resume & JD Matcher:** Edits your resume and suggests changes to match each Job Description (JD).
-  **One-Click Apply:** Instantly apply using autofill across various job portals.
-  **Track Applications:** Central dashboard to monitor real-time status of your applications.
-  **Skill Matching:** Highlights skill gaps and recommends what to learn next.
-  **Interview Practice:** AI-based mock interviews tailored to job role & company type.



# TECH STACK & ARCHITECTURE



## TECH STACK



# DEMO & FEATURES

 Website Link



<https://aijobsearchagent.online/>

 Demo Video:



<https://youtu.be/t9ATgX0annY?si=wLf-rdeJIUzrYOTi>



# IMPACT & FUTURE SCOPE

Target user



**Nithin**

- Age: 22
- Occupation: Student
- Location: New Delhi
- Education: B.Tech (CSE)

 **Before**

- Doesn't know **where to search** for suitable jobs
- **Resume Score: 54%**
- Generic resume, no clue how to **tailor it**
- Confused about how to **track applications**
- Nervous about interviews, lacks **practice & feedback**

 **During**

- 🔍 **Search Jobs** – Matches Nitin with relevant roles
- ✍️ **Customize Resume** – Tailors resume + cover letter in 1 click
- ⚡ **Apply Instantly** – Auto-fills applications across portals
- 📊 **Track Progress** – All applications in one dashboard
- 🎤 **Interview Prep** – Mock interviews customized to the role

 **After**

- ✅ **Resume Score: 85%**
- ✅ Interview Shortlists: Increased by 3x
- ✅ Time Saved: 80% less effort in applications
- ✅ Confidence Boosted: More interview calls, better preparation

 **Ripple**

- 📌 **For Students** – Personalized career guidance
- 📌 **For Institutes** – Improved placement performance, insights dashboard
- 📌 **For Recruiters** – Better aligned, job-ready candidates
- 📌 **For the Nation** – Smarter hiring, faster employment

**Future Scope:-**



Integration with job portals



Adoption in colleges & training institutes



Multilingual support



Analytics for placement cells