

# AI-DRIVEN RECRUITMENT PLATFORM



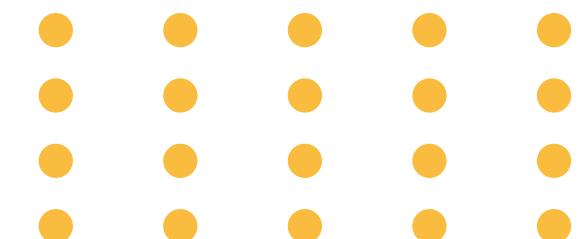
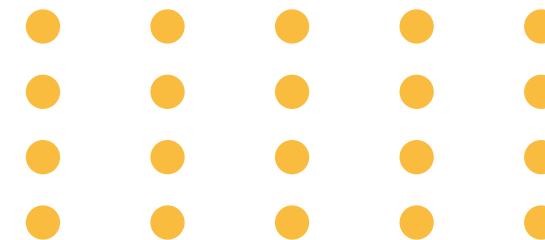
Team

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# AI-DRIVEN RECRUITMENT PLATFORM

An AI-powered hiring assistant that streamlines resume screening, recommends top candidates, schedules interviews, and delivers insights making recruitment faster, smarter, and bias-free.



# INEFFICIENCIES IN TRADITIONAL HIRING

- Manual resume screening takes hours
- High chances of human bias
- Poor candidate engagement & experience
- Ineffective interview scheduling methods
- No real-time data insights
- Limited tools for predicting job fit



# PROJECT OBJECTIVE



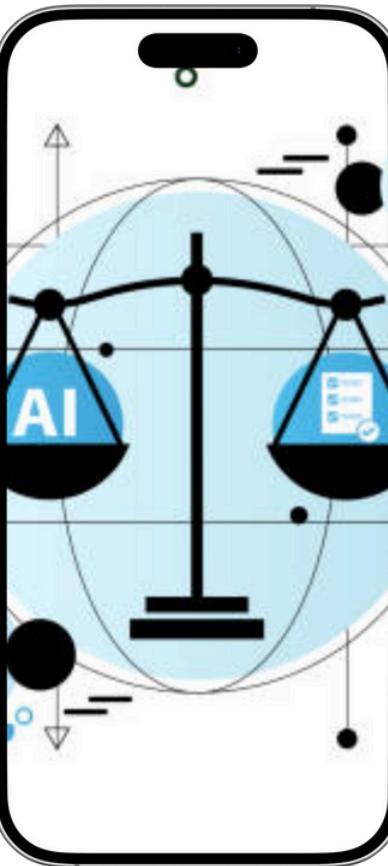
AI-Powered



Faster Hiring



Data-Driven



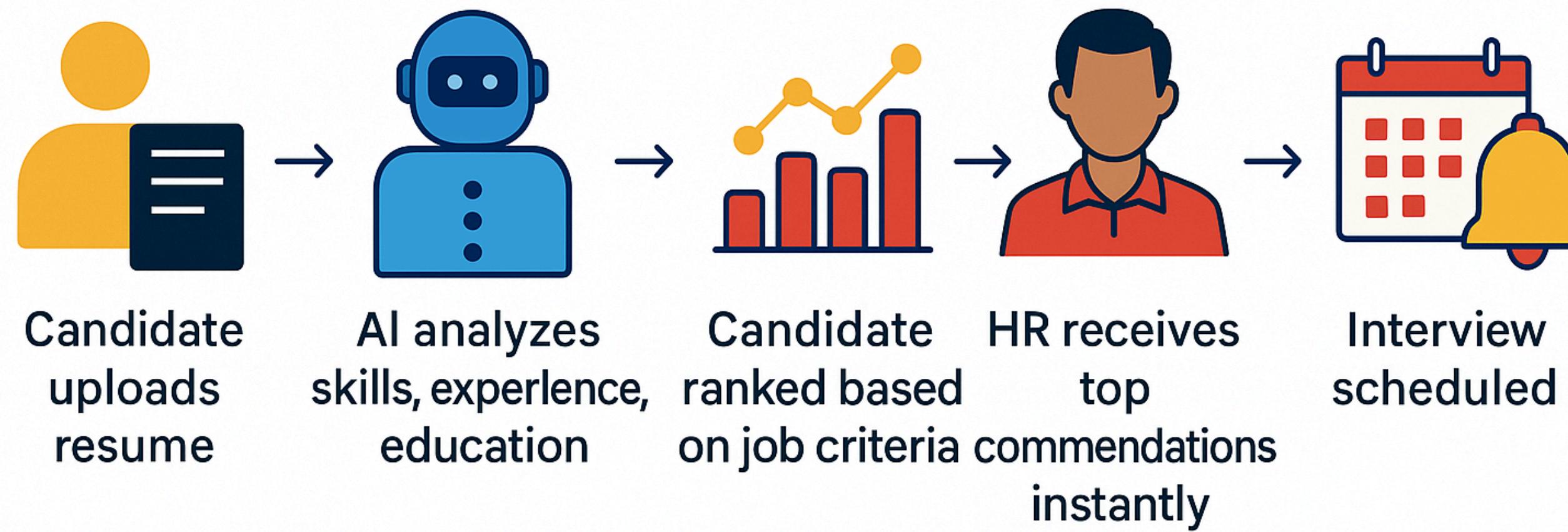
Bias-Free

# DESIGN THINKING PROCESS

- Understood hiring issues through user research
- Defined recruitment problems in clear terms
- Ideated smart solutions using AI tools
- Prototyped dashboards, chatbot, and workflows
- Tested features with real-time user feedback
- Refined based on insights and reviews



# PROPOSED SOLUTION



# KEY FEATURES

## Resume Screening with NLP



- Extracts skills and experience
- Flags top job-matching resumes
- Smart filtering for quick review
- Suggests resume improvements to candidates

## Candidate Recommendation



- AI ranks best-fit profiles
- Matches based on job needs
- Explains each recommendation clearly
- Learns from HR decision patterns

## Analytics Dashboard



- Visualizes recruitment performance metrics
- Tracks sources and hiring timeline
- Supports data-driven HR decisions
- Detects hiring process bottlenecks

## TECH STACK

NEXT.JS

 mongoDB®



tailwindcss



Flask

# CODE SNIPPET

The screenshot shows two parts of a Jupyter Notebook and a company dashboard.

**Jupyter Notebook:**

```
[32]: from sklearn.neighbors import  
      num, highOrder6CClass{fier  
      n/w sklearn.Of: vndoClassifier  
      from sklearn.blame  
      from sklearn.logisticRegression  
      from sklearn.madinjnasName  
      print .metrics, confunon_schaane  
  
# priest while train pronon ++  
Accuracy: 0; num of (392 we2)  
JFrattet(80,9e))  
  
# Progressses input test t t h  
xftat.textesend peamrec (),—)  
cleantenext.hawd(' nw this sJ )  
sintrixt.txt("sd(")( sd')(_))  
sinstxx.txt('reasur'), fluper)  
Category(py( tegory(y2), fluper.)  
  
# functiin produce y3  
sftect = Cleantent0(("nw w s:'),  
Cleannet0.predict(Citron().txt -  
Cleannet0.predict(Citron().txtML  
experts(c, ScaGQ, ,c) f a0pxr()
```

**Company Dashboard:**

Company Name

Welcome back, Utkarsh Pushpa

Current Openings

- SC UX Designer Local 85 applications
- Growth Manager Remote 28 applications
- iOS Developer Remote 48 applications

Sarah Ehavengal Etharignal

The screenshot shows a recruitment software's homepage and its code editor.

**RecruitIQ Homepage:**

HRhome

## Revolutionize Your Hiring Process with RecruitIQ

Experience the future of recruitment with AI-powered automation. From resume screening to candidate assessment, RecruitIQ makes hiring smarter, faster and more efficient

[Learn more about us >](#) [Start Now >](#)

**Code Editor:**

```
const CandidateDashboard = () => {  
  const messages = /candidateDashboard/messages />  
    <li className="flex gap-4 cursor-pointer">  
        
      <div className='poppins'>Messages</div>  
    </li></Link>  
  
<Link href="/candidateDashboard/analytics">  
  <li className='flex gap-4 cursor-pointer'>  
      
    <div className='poppins'>Analytics</div>  
  </li></Link>  
  
<div className="main w-[84vw]">  
  <div className="top h-[10vh] border-b-2 border-b-gray-300 flex items-center justify-between">  
    <div className="search m-10">  
      <Search />  
    </div>  
  
<div className="right flex gap-8 items-center justify-center m-6">  
    
    
  <div className="profile flex gap-4 items-center">  
    <img width={35} className='rounded-full cursor-pointer' src={srcUserImage} alt="" />  
    <DropdownMenu>  
      <DropdownMenuTrigger>  
        <div className='poppins font-semibold bold'>(session?.user?.name)</div>  
      </DropdownMenuTrigger>  
      <DropdownMenuContent>  
        <DropdownMenuItem>My Account</DropdownMenuItem>
```

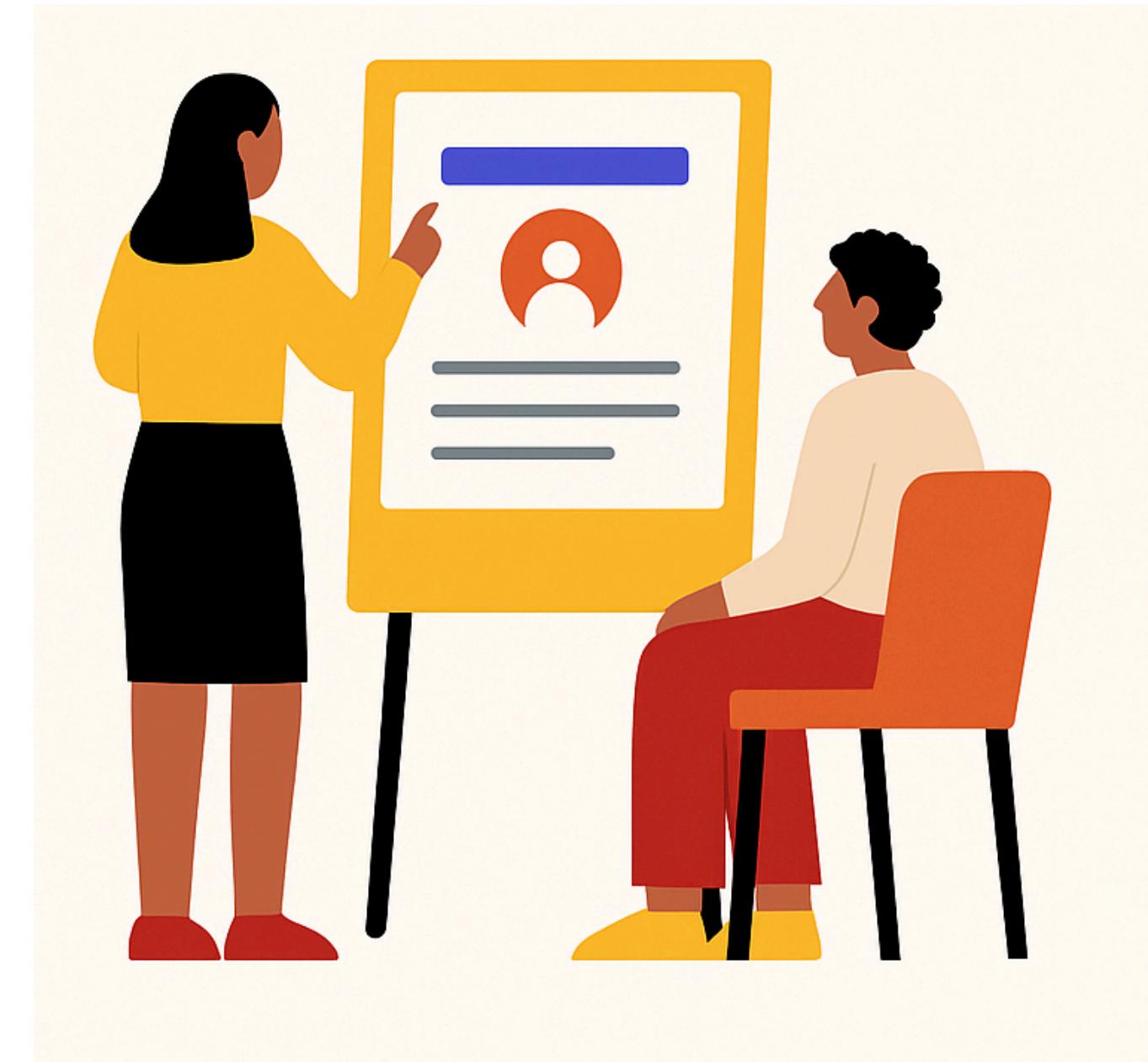
## CHALLENGES WE FACED – AND HOW WE SOLVED THEM

- Inconsistent Resume Formats - Structured with NLP pipelines
- Limited HR Domain Knowledge - Studied real hiring processes
- Limited Training Data - Used open & synthetic data
- Parsing Accuracy Issues - Applied pre-cleaning & model tuning
- Unintuitive UI Design - Redesigned with user feedback
- Time Constraints & Team Sync - Weekly syncs & task tools



# OUTCOMES, BENEFITS & FUTURE SCOPE

- Faster, smarter candidate shortlisting
- Bias-free, data-backed recommendations
- Personalized feedback on resumes
- Improved visibility & fair evaluation
- Chatbot-driven candidate engagement
- Sentiment analysis in video interviews



**THANK  
YOU...**

