



AI-Powered Candidate Shortlisting: Revolutionizing Recruitment

This project showcases an AI tool that speeds up candidate shortlisting. Built for recruiters to save time and cut costs.

Presented by Maham, Hashir, Faraz | AI Course Project



The Problem: Bottlenecked Candidate Screening

Time-Consuming Process

Recruiters spend 23 hours a week manually screening resumes.

Low Conversion Rates

Less than 2% of resumes lead to interviews (Glassdoor).

High Hiring Costs

Average cost per hire is \$4,700 (SHRM data).

Missed Talent

Delays cause recruiters to lose strong candidates.

Our Solution: AI-Driven Candidate Shortlisting

Automated Resume Analysis

AI parses resumes using Natural Language Processing (NLP)/LLMs.

Machine Learning Ranking

Embed candidate skills and match them to Job Description on Demand.

Significant Time Savings

Reduces screening time by 80% in internal tests.

Methodology: From Data to Deployment

1

Data Collection

Gathered 100+ resumes with 50+ diverse skills

2

Feature Engineering

Extracted skills, experience, and education features.

3

Model Training

Used an embedding model to embed candidate data

4

Evaluation

Measured cosine similarity and matched top closest matches

Results: Quantifiable Improvements

Quality Increase

Helped recruiters make more informed, data-driven decisions, ensuring that the right candidates were shortlisted for interviews and improving overall recruitment efficiency.

Accuracy

Model knows context and matches exact skills as well as related relevant skills.



Time Reduction

Cut time-to-hire by 60%, accelerating recruitment cycles.

Cost Savings

Recruitment costs decreased by 40% with AI automation.

Demo: See the AI in Action

1

Upload Job Description

Upload the description of the job to match candidates.

2

Automated Analysis

Tool extracts and ranks candidate skills instantly.

3

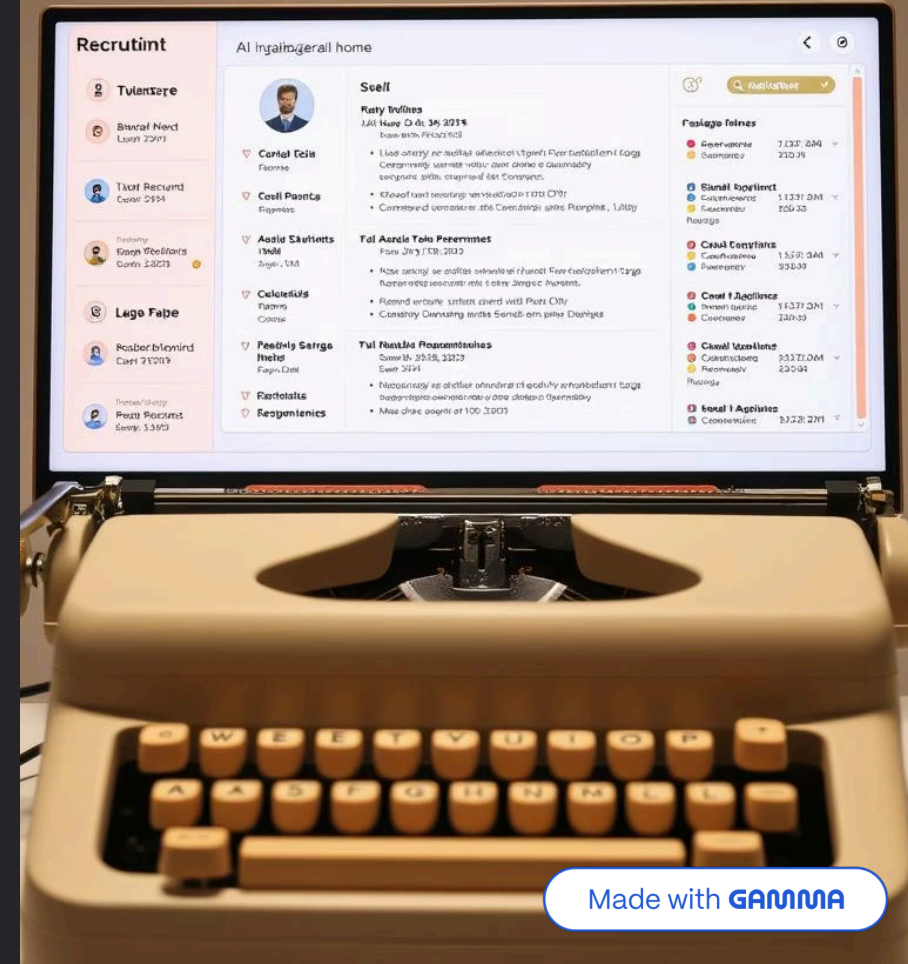
Custom Settings

Adjust JD to fit unique job requirements.

4

Real-time Scoring

Visualize candidate rankings and matched skills with dynamic score charts.



Demo - Submit JD

 AI-POWERED TALENT MATCHING

Find Your Perfect Candidates

Enter your job description and let our AI find the best candidates that match your requirements

I need MERN stack developers with devops experience

 Find Matching Candidates



AI-Powered

Our advanced AI analyzes resumes to find the best matches



Skill Matching

Automatically identifies candidates with required skills



Time Saving

Reduce hiring time by quickly finding qualified candidates

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Demo - Matched Candidates

← Back to Search

SEARCH RESULTS

Matched Candidates

Found 10 candidates matching your requirements

Filter

Sort

Grace Rivera

grace.rivera@example.com

69% Match

Skills

NoSQL

Unreal Engine

CI/CD

AWS

Terraform

Tailwind CSS

Django

OpenCV

Microservices

Node.js

Matching Skills

Node.js

AWS

CI/CD

Microservices

Download Resume

Isabella Hernandez

isabella.hernandez@example.com

69% Match

Skills

Ruby

Rails

PostgreSQL

RSpec

React Native

Download Resume

Andrew Bell

andrew.bell@example.com

69% Match

Skills

Ruby

REST APIs

Angular

GCP

Jenkins

React

Node.js

JavaScript

Tailwind CSS

Terraform

Matching Skills

JavaScript

Node.js

React

Jenkins

Download Resume

Lily Clark

lily.clark@example.com

69% Match

Skills

JavaScript

React

Node.js

GraphQL

Matching Skills

JavaScript

React

Node.js

Download Resume

Olivia Jones

olivia.jones@example.com

69% Match

Skills

Ruby

Rails

PostgreSQL

RSpec

Python

Download Resume

Zoe Brooks

zoe.brooks@example.com

69% Match

Skills

Flask

Django

MySQL

JavaScript

Go

Bootstrap

Angular

Redis

C++

Python

React

Tailwind CSS

Download Resume

Made with GAMMA



Conclusion: The Future of Recruitment is Here

Faster, Cheaper, Better

AI accelerates hiring while reducing costs and bias.

Next Steps

Focus on improving accuracy and matching candidates better according to location, skills and years of experience

Thank You!

Ready for your questions and feedback.