# X-HR Agent: Smart and Explainable AI-Powered Recruitment

Presented by XAI Team

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## The Problem & Our Vision

#### The Problem:

- · Manual CV screening is slow and error-prone.
- SMEs miss great candidates due to inefficient recruitment processes.

#### Our Vision:

- Build an AI-powered platform that makes recruitment smart, fast, and fair.
- · Leverage explainable AI to gain trust and transparency.

## What is X-HR Agent?

**X-HR Agent** is a smart recruitment platform using intelligent agents to:

- Parse and analyze any CV format (PDF, DOCX, image).
- Match candidates with jobs using NLP + form inputs.
- · Simulate interviews and evaluate performance.
- Analyze video interviews to assess soft skills.

## Core Al Agents

- · CV Parsing Agent: Extracts structured info from CVs.
- Job Matching Agent: Matches CV + form responses to job offers.
- Interview Simulation Agent: Mock interviews with feedback.
- Video Analysis Agent: (Advanced) Analyzes tone, body language.
- Follow-Up Agent: Automates recruiter-candidate communication.

## Technology Stack

- · CV Parsing: Python, spaCy, pdfminer, Tesseract OCR
- Matching: Sentence Transformers, OpenAI, LangChain (RAG)
- · Simulation: LLMs + scripted scenarios with scoring logic
- Video Analysis: Whisper, DeepFace, OpenFace
- Data Ingestion: Real-time scraping from Indeed, LinkedIn

### **Advanced Features**

- · Dynamic form-based matching for team fit.
- · Transparent scoring with explainable AI.
- · Customizable matching logic for recruiters.
- Real-time job and CV data ingestion.
- · Chrome Extension (optional) for recruiters.

## **Final Vision**

#### Our Goal

Position X-HR Agent as a reference smart recruitment platform for SMEs — fast, fair, explainable.

- · Save time, reduce bias, improve hiring accuracy.
- Use AI responsibly with clear insights.
- Make recruitment scalable and human-centric.

## Thank You!

Questions? Feedback? We're ready.

XAI Team – Building recruitment that makes sense.