Cogniassess

Objective

Our goal with **COGNIASSESS** is to transform the recruitment process by developing an AI-driven platform focused on the accurate assessment of non-technical skills. By leveraging **Large Language Models (LLMs)** and advanced Python technologies, this platform aims to enhance the objectivity and efficiency of **candidate evaluations**. **COGNIASSESS** offers an intuitive user experience for candidates and powerful analytical tools for recruiters, ensuring a seamless, scalable, and secure recruitment solution that meets the evolving needs of the modern workforce.

Usage

1

Upload Resume

Upload your resume for a personalized summary, detailed insights, and recommendations on how to enhance it and stand out to employers.

2

Select Preferred role

Explore and select a diverse array of non-technical roles including HR Manager, Technical Writer, and more.

3

Diverse Domain Choice

Choose from over 20 domains to evaluate your suitability for your desired role such as Adaptability, Communication skills and much more.

4

Generate Assessment

Generate tailored assessments for each selected domain and complete them thoroughly to receive a detailed evaluation of your skills.

5

Chatbot for personalized feedback

Receive personalized feedback on your assessments to gain a comprehensive understanding of your strengths, weaknesses, and areas for improvement.

Architecture

Zephyr + Monster API

Finetuned model prompted from Monster API Iteratively for evaluation generation for each domain

Model Analyzes uploaded CV and keeps it as context

Questions Dynamically populated and candidate solves assessments

Role and Domains selected

Opensource Mistral based Chatbot chats based on the evaluation context

MISTRAL AI_

Tools

Timeline

DATASET PREP
Collective questions along with domains and roles separation was contained in a csv file preparing for finetuning

FINETUNING
Open-source LLM Zephyr 7B beta model was chosen for finetuning LORA was used for finetuning

LLM DEPLOYPMENT
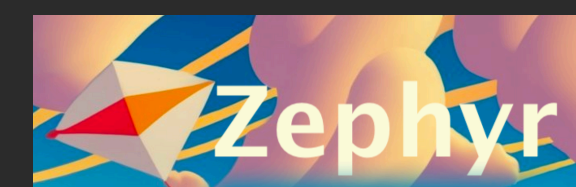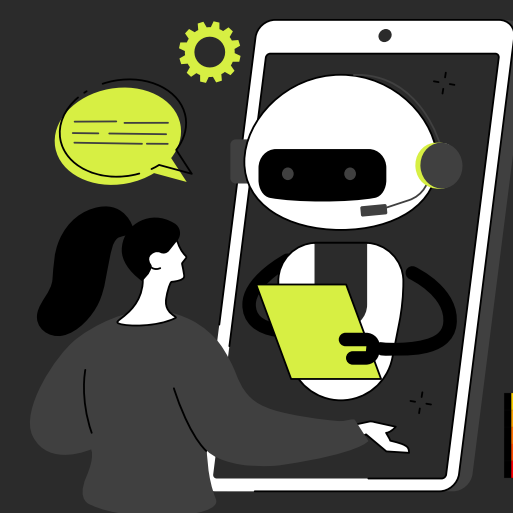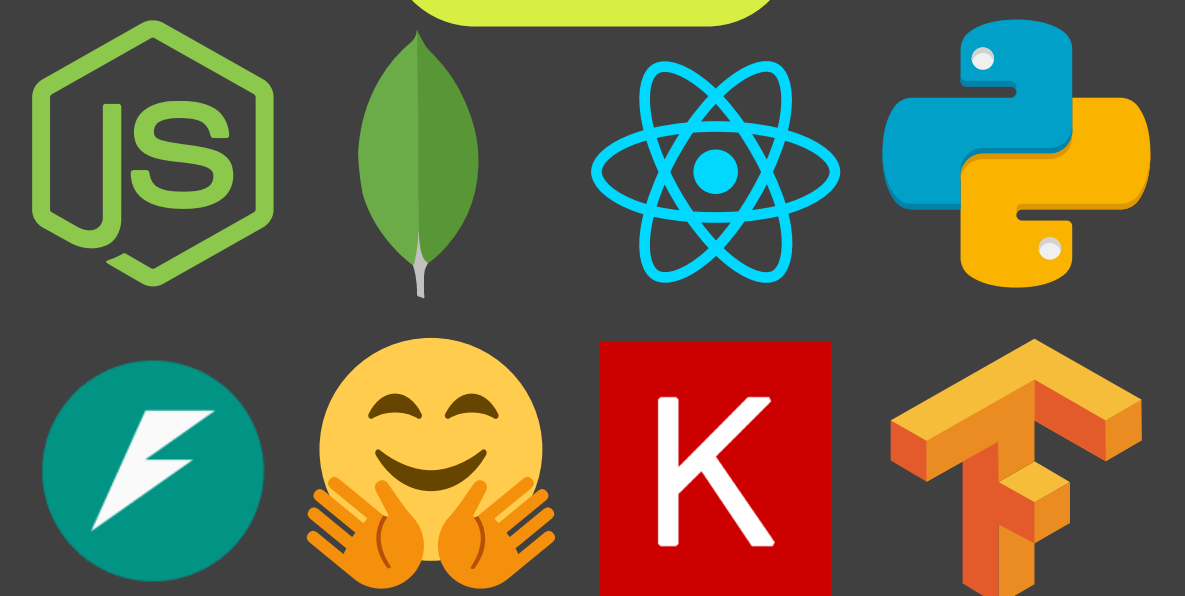The finetuned Model was deployed on Monster API for easy access

WEBSITE DEVELOPMENT
React , Mongo, Fastapi , Node with express was used to make a full stack website

LLM CONFIG
Finetuned Model along with Mistral , Llama-3 and Zephyr was for assessment generation , evaluation and Chatbot

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