BUZZHIRE

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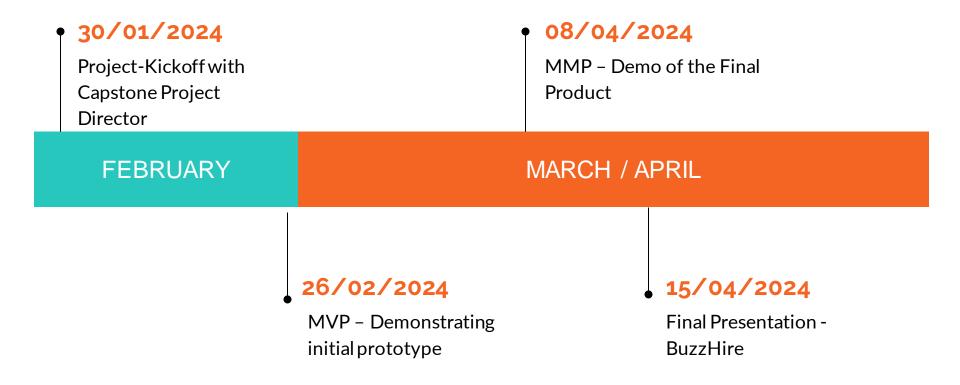
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Project Overview and Definition

Personality Prediction System via CV Analysis.

BuzzHire is an AI-powered CV Analysis Tool that matches applicants to roles that best suit them based on personality tests taken and skills mentioned in their CV/Resume.

PROJECT TIMELINE

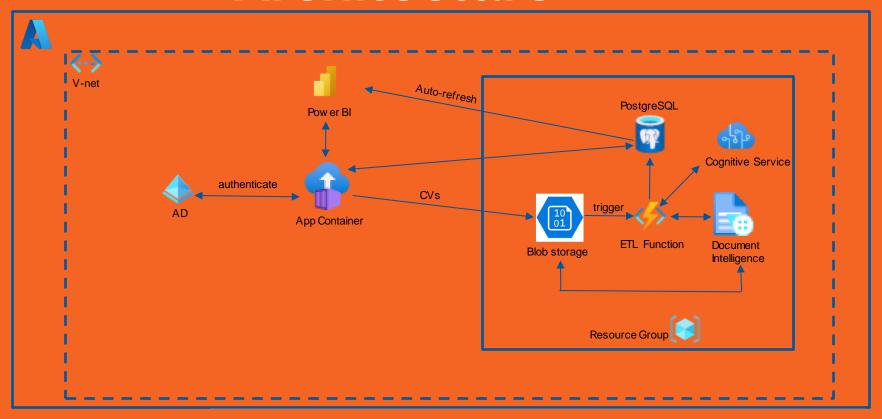




AI FEATURES

- >Text Parsing
- ➤ Basic Classification
- ➤ Data Structuring
- Simple Dashboard
- >Test Implementation
- ➤ Natural Language Processing (NLP) for enhanced CV Analysis
- ➤ Bias Detection & Fairness Monitoring
- ► Interactive Candidate Dashboard
- Customisable Job Matching Algorithms

Architecture



Analytics Database Schema

CV Details Dimension

candidate_id (Foreign Key)
text_extracted
keyw ords_matched
ner_organizations
ner_roles
ner_skills
ner_education
experience_level_assessment
cultural_fit_analysis
bias_detection_metrics

Test Results Dimension

test_id (Foreign Key)
orderliness
extraversion
emotional_stability
accomodation
inquisitiveness
mbti
aptitude_scores
technical_test_score
ranking
Improvement_areas
test_results_insights
timestamp

timestamp

Candidate Data Fact

candidate_id (Primary Key)
test_id
job_id
candidate_name
candidate_age
education
employment_history
skills
availability
recruiter
feedback
timestamp_id

Job Details Dimension

job_id job_title job_description custom_ranking_criteria required_skills required_experience timestamo

Timestamp Dimension

timestamp_id date day_of_week month quarter year hours minutes

seconds

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APPLICATION TECHNOLOGIES

FRONTEND

HTML, CSS and JavaScript implemented web-pages shall be used as the User Interface for the application.

BACKEND

The application shall be created using the Django Framework for Python.

DATABASE

The Application shall use a PostgreSQL database to store it's information.

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THE END!

A presentation by the Buzzies.

Here is our project repo: Click Me!