

SHL Assessment Recommendation System - One Pager

Overview

The **SHL Assessment Recommendation System** is a GenAI-powered web app designed to recommend the most relevant SHL assessments based on a user's input skill or keyword. Whether you're a recruiter, career coach, or job seeker, this tool gives you a quick, intelligent way to match skills to assessments.

Problem Statement

Finding the right SHL assessment manually is time-consuming and confusing. This tool solves that by instantly suggesting assessments tailored to any skill, removing the guesswork and saving time.

How It Works

- User enters a **skill** (e.g., Python, Java, Excel) into a friendly frontend (Streamlit).
 - The request hits a hosted **FastAPI backend**.
 - The backend reads from a curated **CSV dataset** (`shl_assessments.csv`) containing assessment info.
 - It performs a **case-insensitive match** and returns relevant assessments.
 - Results are cleanly displayed with names, skills, and clickable URLs.
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Tech Stack

- **Frontend:** Streamlit (Python-based, fast prototyping UI)
- **Backend:** FastAPI (high-performance Python web framework)


- **Deployment:** Render (API hosting), Localhost for Streamlit
 - **Data:** CSV file (`shl_assessments.csv`)
 - **Version Control:** Git + GitHub
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Live Demo URLs

- **Backend API:** [Render Link] (*replace with actual URL*)
 - **Frontend (Local):** Run via `streamlit run frontend.py`
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Sample Output

*Example Skill: **Python*

 Name: Python Developer Test

 Skills: Python

 URL: <https://example.com>

Features

- Simple UI for quick input
 - Fast, accurate recommendations
 - Real-time API hosted on the cloud
 - Easily extendable with more skills/data
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Future Enhancements

- Add job title-based matching
- Improve NLP capabilities using embedding models
- Deploy frontend on the cloud
- Add login/auth & user personalization

 **Developed By**

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