

# AI-Powered Talent Finder



## HardWorkers

Students

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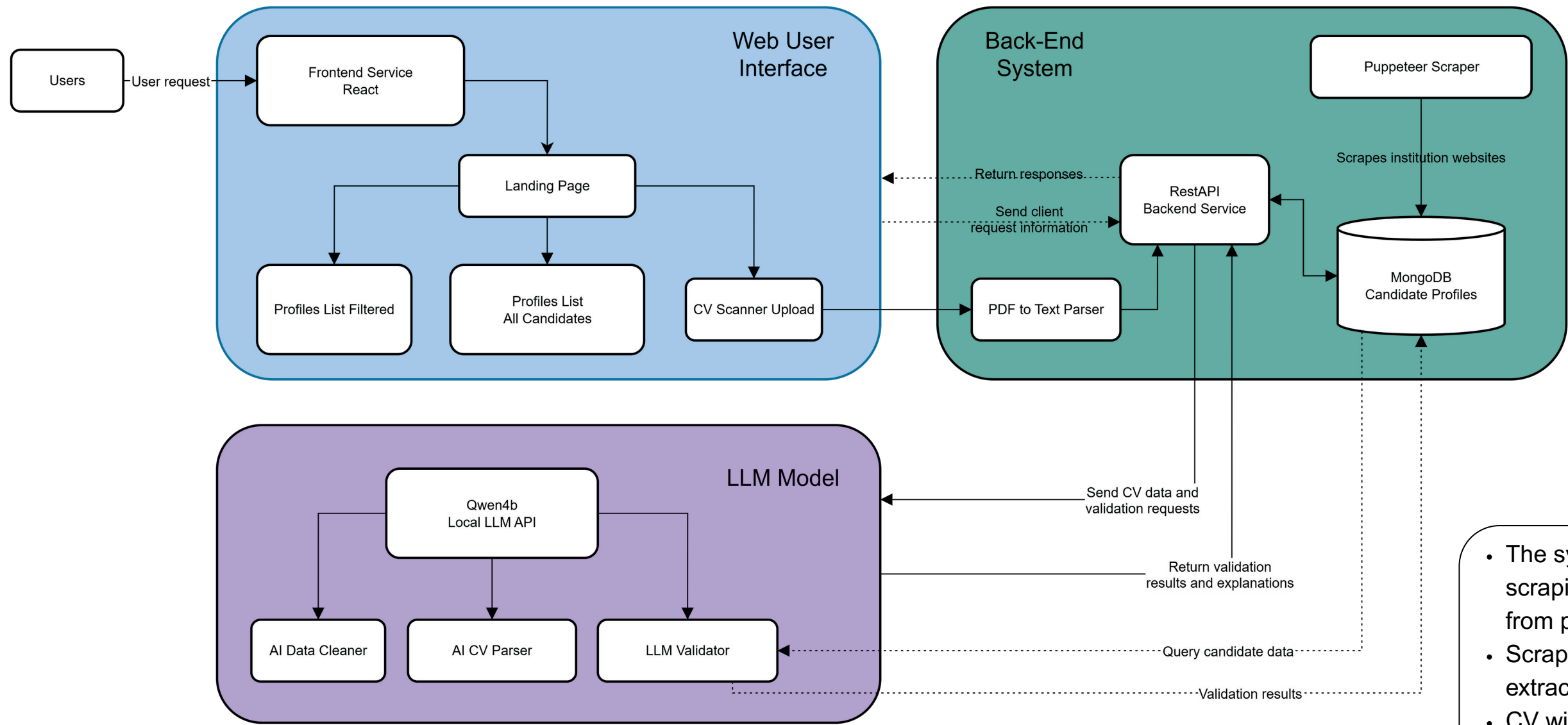
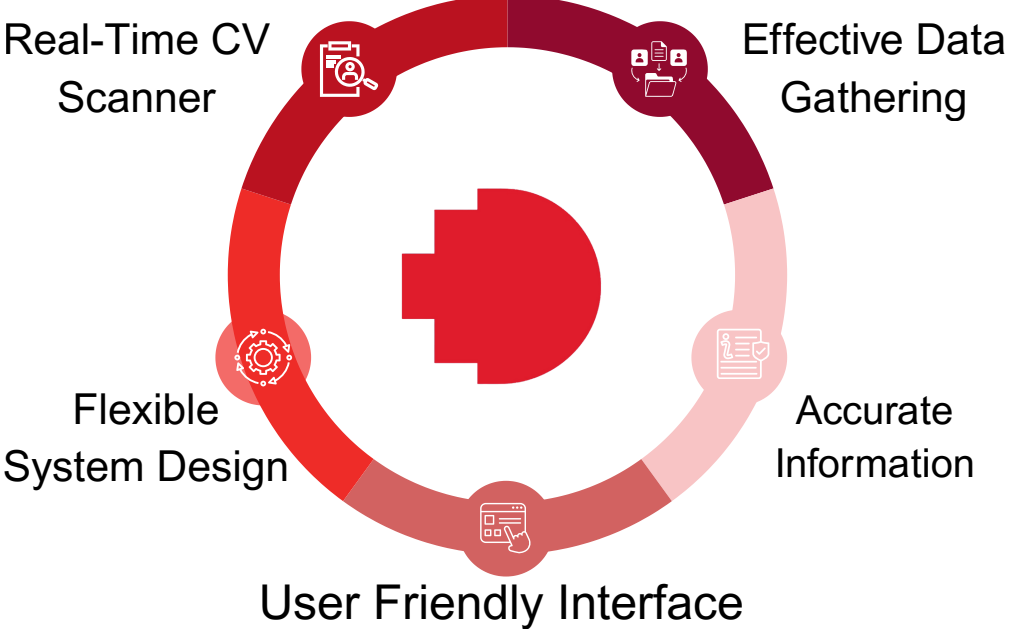
Supervisors

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### Background & Motivation

Unlike corporate recruitment systems, academic hiring requires assessing both research outputs and teaching contributions, creating additional complexity. The AI-Powered Academic Talent Finder is designed to address these challenges by providing an automated, locally deployed solution. Instead of relying on cloud deployment, the system runs locally to ensure security, cost-efficiency, and full control of the process. The motivation also lies in future scalability, where AI modules can be integrated to enhance data cleaning, semantic search, and intelligent candidate recommendations. This ensures that institutions have access to a recruitment platform tailored specifically to academic hiring needs.

### Objectives



System Design

- The system performs full website scraping to gather academic profiles from public and institutional sources.
- Scraped profiles are processed and extracted into database.
- CV will be extracted to text, then parsed and extract to AI for validation with profiles in database.

Website Interfaces

