AI-Powered Job Screening System

Revolutionizing Recruitment with Al

ACC Hackathon 2024

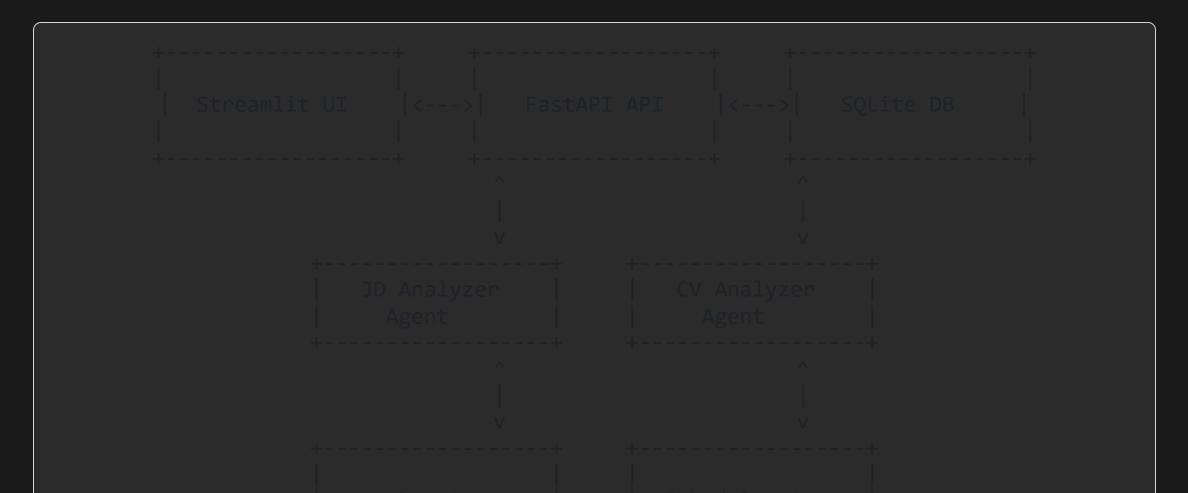
The Problem 🤔



- **III** Time Waste: HR spends 23% time on manual screening
- **@ Human Bias**: 40% of hiring decisions are biased
- **(iii)** Inefficiency: Average hiring time: 42 days
- Scheduling: 60% time lost in interview coordination



Al-Powered Job Screening System



Key Features 💋

JD Analyzer Agent

CV Analyzer Agent

Matcher Agent

- • Al-powered skill identification
- Semantic understanding
- Intelligent CV parsing
- Profile generation
- Skill validation
- Smart matching algorithm
- III Compatibility scoring

Technical Innovation |

- Advanced NLP
 - Sentence Transformers
 - Semantic Analysis
 - Ollama Integration
- Modern Stack
 - FastAPI Backend
 - Streamlit Frontend
 - Real-time Processing

Live Demo

- 1. Post a Job Opening
- 2. Upload Candidate CVs
- 3. **©** View Smart Matches
- 4. The Schedule Interviews

Impact & Metrics | M

- **70**% reduction in screening time
- **85**% better candidate matching
- **©** 50% faster hiring process
- **40**% cost reduction in hiring

Future Roadmap 🔯

Short Term

Long Term

- Multi-language support
- **III** Analytics dashboard
- ATS integration
- Video interviews
- Al-powered assessments
- Predictive analytics

Thank You! 🙏

