



- Problem Statement ID : PS-9
- Team Name : OOPS
- TEAM ID : HK-103
- TEAM MEMBERS :
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Problem & SOLUTION

Problem:

1. Recruiters must open **GitHub, LinkedIn, Notion, Certificates** separately
2. No single system shows **actual skill depth**
3. Hard to compare candidates objectively
4. Resumes show claims, not real capability
5. Students struggle to present learning journey clearly

Solution:

- A unified skill intelligence platform that converts student activity into an interactive 3D knowledge graph
1. Aggregates GitHub + learning platforms
 2. Extracts real skills automatically
 3. Visualizes learning progression
 4. Recruiter-ready evaluation dashboard
 5. One shareable Skill ID profile

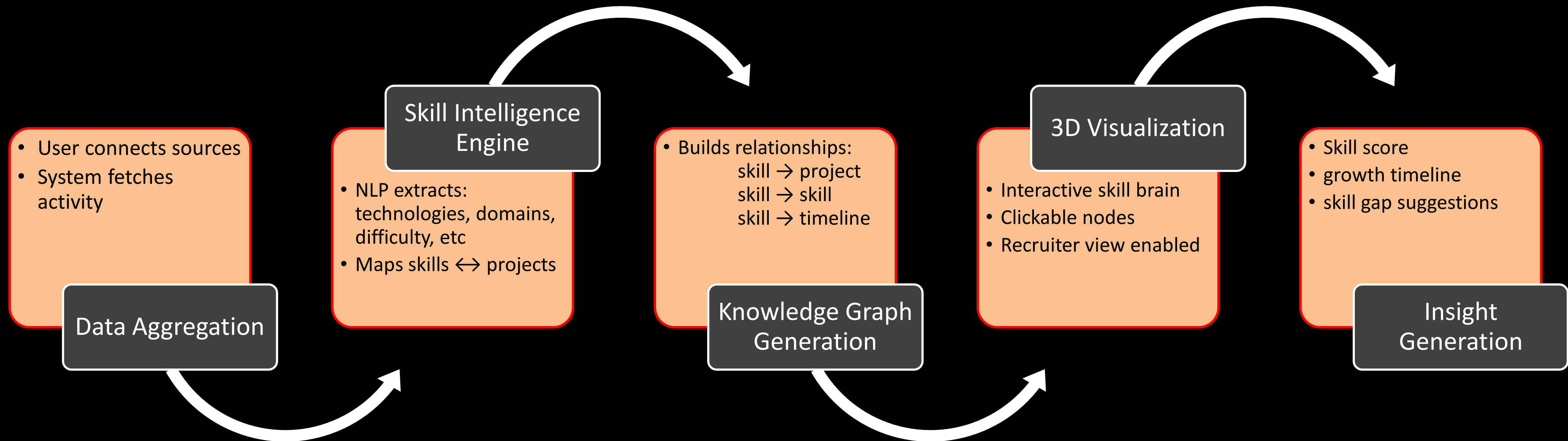
Problem to solution

Solution to Reality



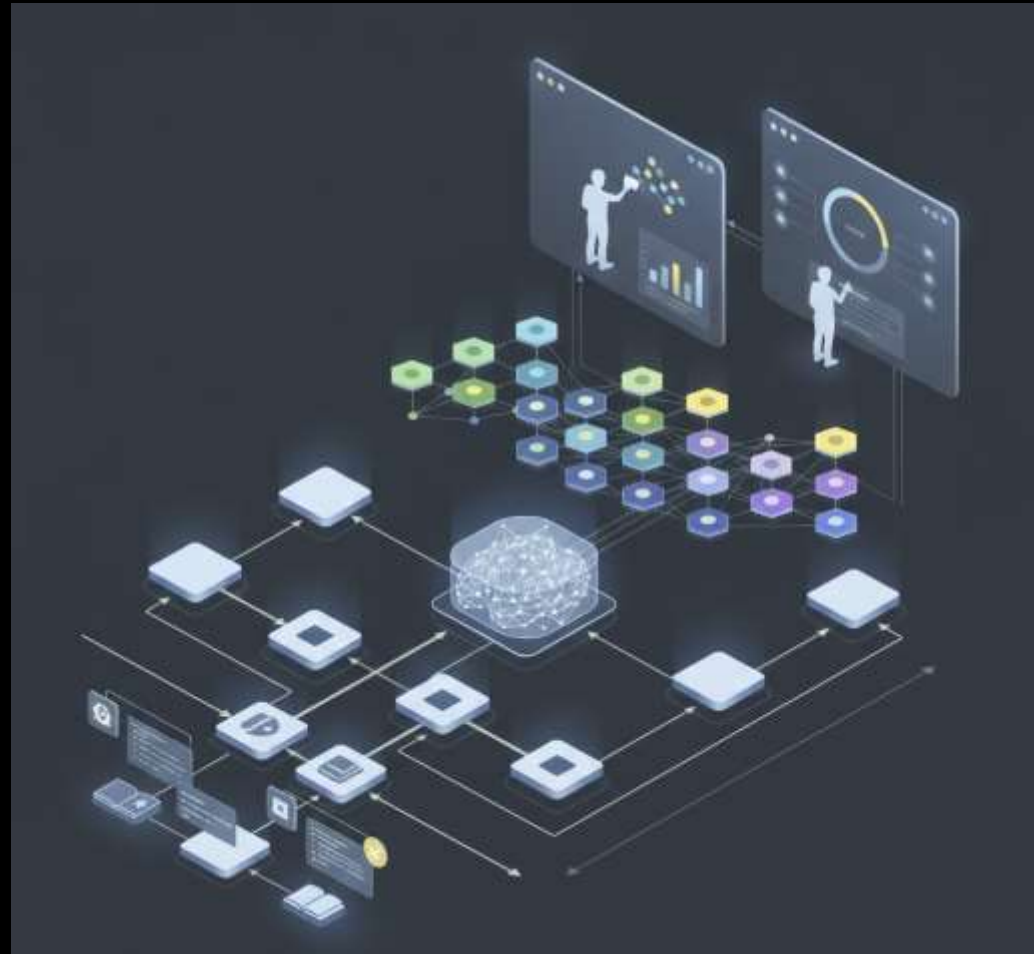


Flow of Solution

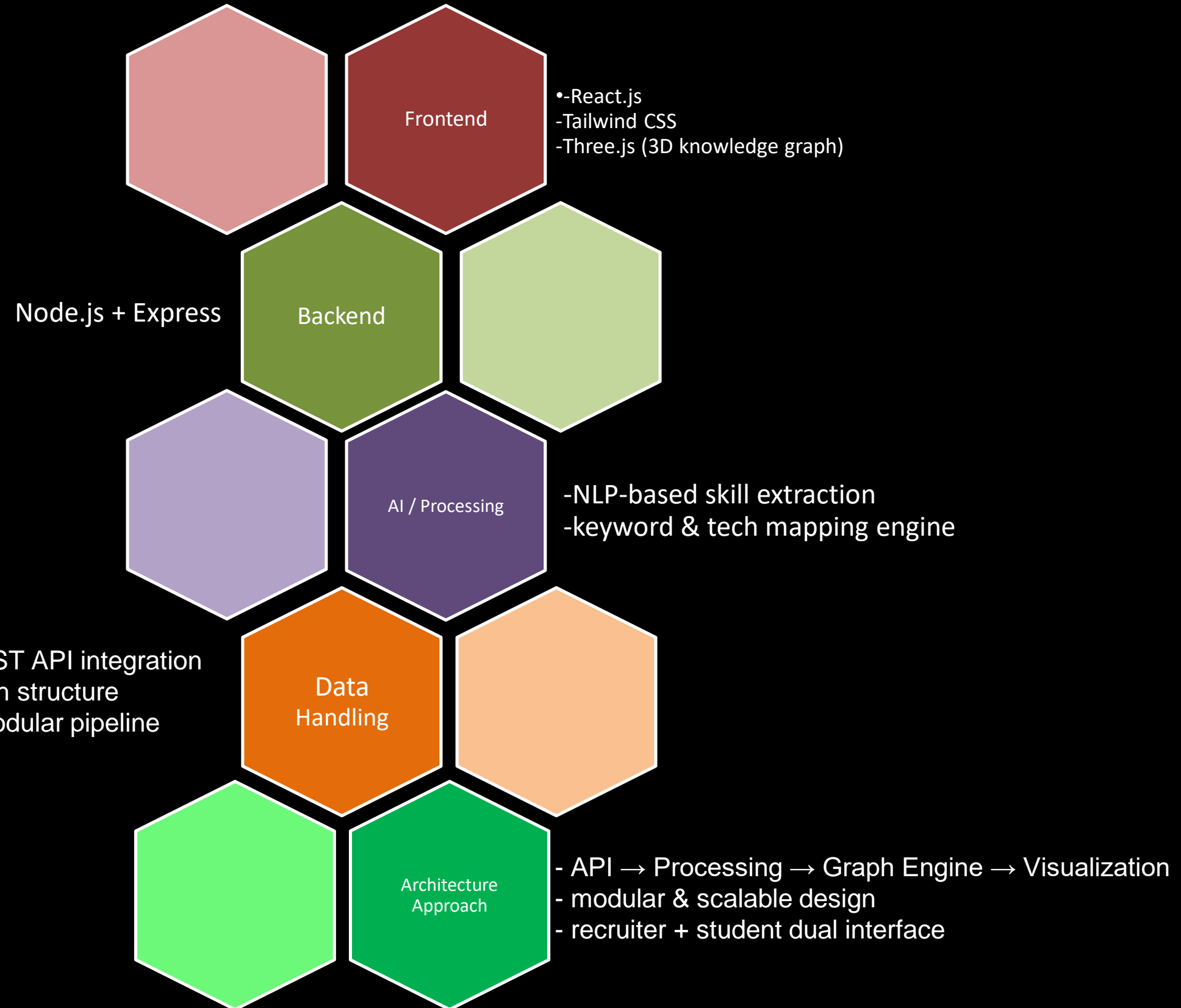




TECH STACK & APPROACH



- GitHub REST API integration
- JSON graph structure
- scalable modular pipeline





UNIQUENESS & INNOVATION FACTOR



Skill Intelligence Graph

Not a portfolio but a **live learning brain**

Automated Skill Detection

Extracts skills from:

- Code
- Readme
- Project tech stack

Recruiter Evaluation Mode

- skill score
- domain strength
- project relevance

Learning Progression Timeline

Visual growth of student journey

Skill Gap Detection

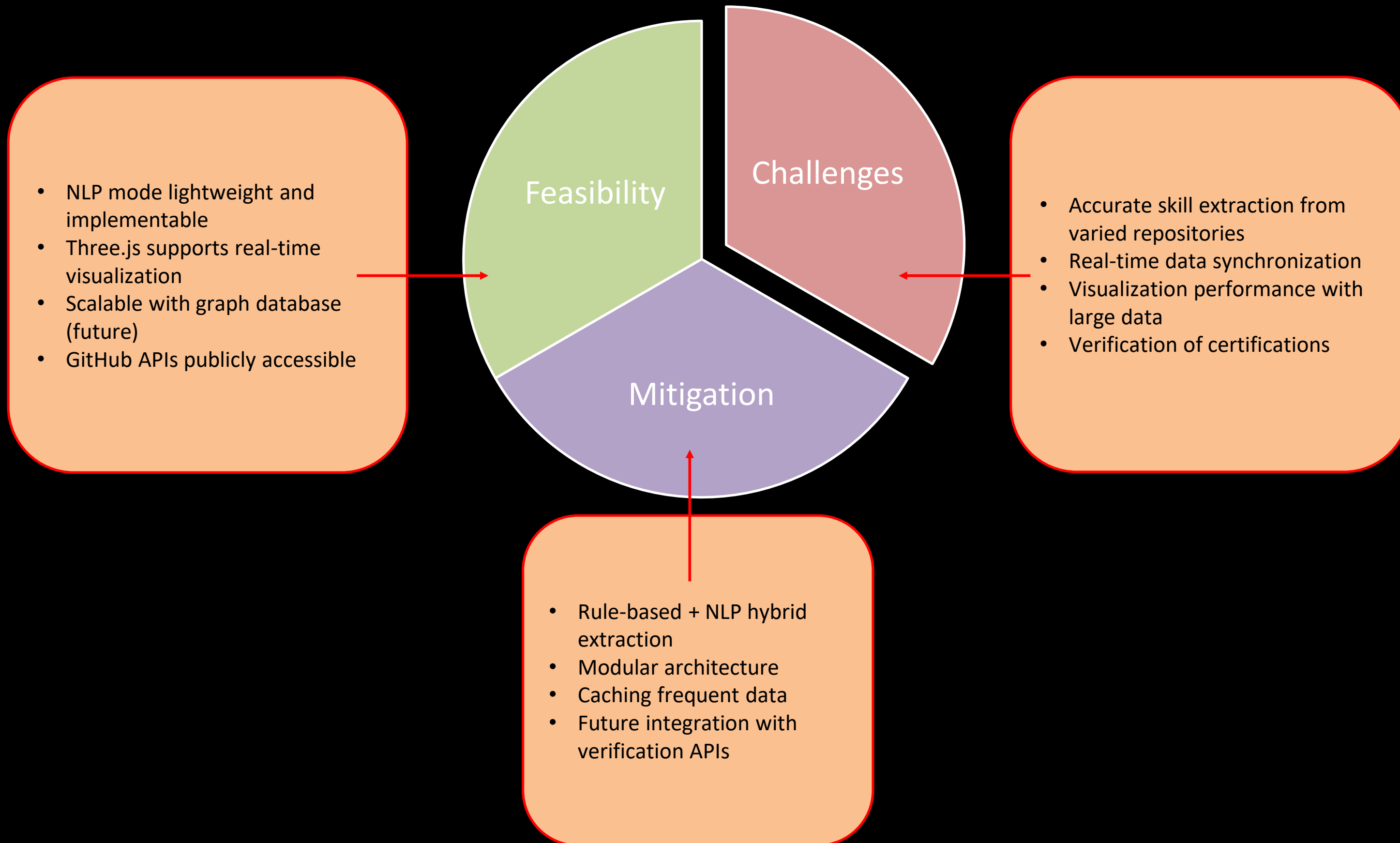
Suggests next technologies to learn

Competitive Learning Extension

- streak system
- XP model
- continuous skill evolution



FeASiBility & ChAllenGeS





ReSeARCh & RefeRenCe

Research Areas

- Knowledge graph systems in education
- Developer portfolio evaluation methods
- Skill analytics in hiring tech
- Graph visualization models

Technologies Referenced

- GitHub Developer API
- Three.js visualization engine
- NLP skill extraction models
- Graph database concepts (Neo4j)

Industry Inspiration

- Developer hiring platforms
- Skill intelligence tools
- Learning analytics systems