

HIREGEN

YOUR ROADMAP FROM SKILLS TO HIRING

GROUP-06

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PROBLEM STATEMENT

- **Lack of Actionable Insights:** Students have raw placement data but no clear way to analyze hiring trends, skill demand, or salary distributions.
- **Skill–Industry Gap:** A mismatch exists between students’ current skill sets and the exact technical expectations of major recruiters like TCS and Infosys.
- **Limited Guidance & Networking:** Students lack access to mentorship, referrals, and real-world advice from placed seniors.

PROJECT DESCRIPTION

- Hiregen is an AI-driven placement analytics platform designed for B.Tech students
- It transforms raw placement data into actionable insights on hiring trends, skill demand, and salary distributions.
- The system bridges the gap between student skills and recruiter expectations through personalized roadmaps.

PROJECT OBJECTIVES

- **Placement Intelligence & Analytics:** Visualize hiring trends and map skill demand to salary outcomes using AI.
- **Personalized Career Roadmaps:** Deliver B.Tech-focused skill paths with curated learning milestones.
- **Integrated Mentorship Network:** Connect students with seniors for guidance, referrals, and industry insights.

OUTCOMES

- **Data-Driven Career Decisions:** Students make informed company choices using package distributions and hiring trends.
- **Better Skill–Job Alignment:** ATS-optimized resumes increase shortlisting and selection chances.
- **Scalable Placement Impact:** A feasible model improving placement readiness across engineering streams.

SYSTEM FLOW

User

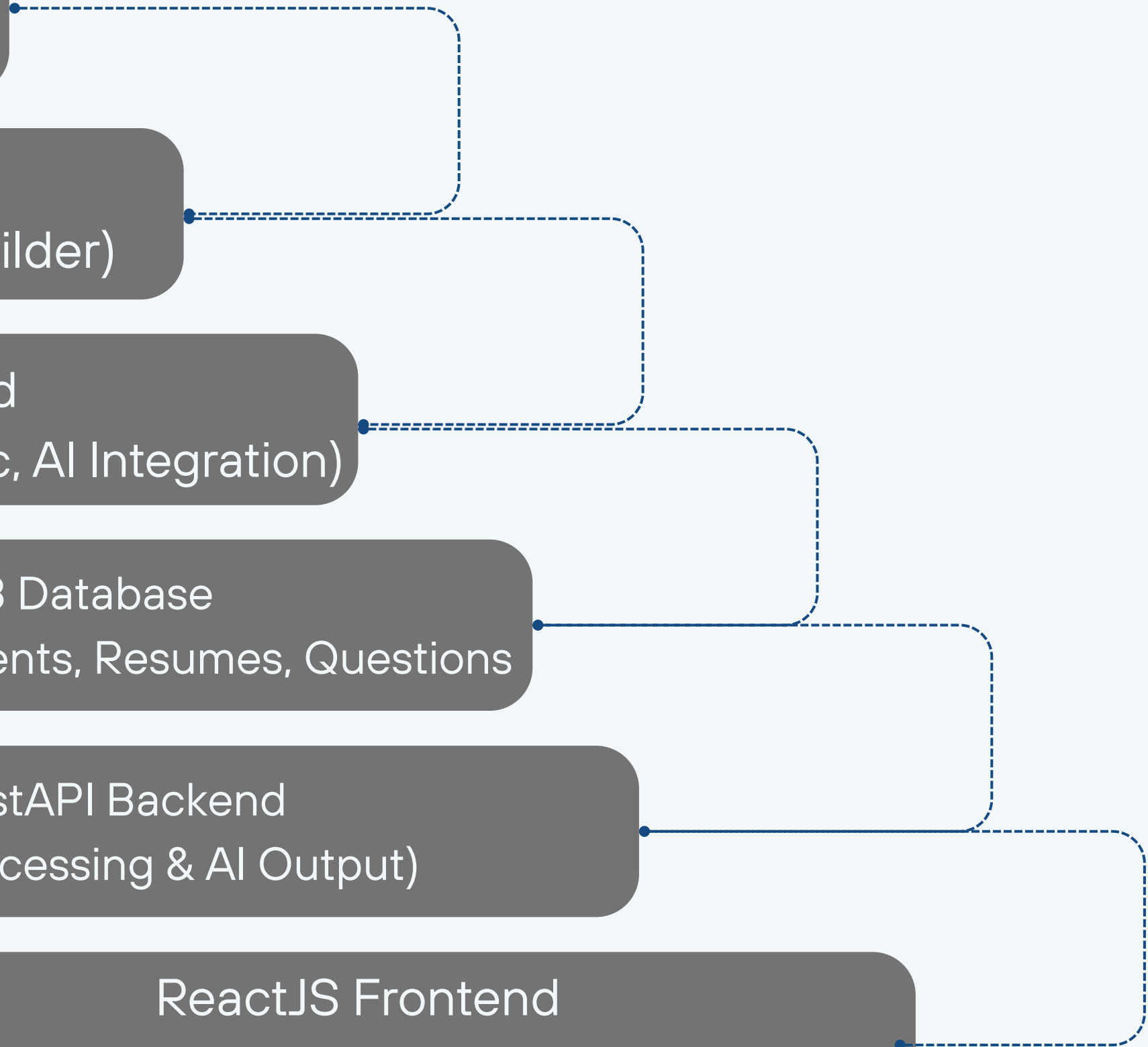
ReactJS Frontend
(UI Forms, Dashboards, Resume Builder)

FastAPI Backend
(Authentication, Business Logic, AI Integration)

MongoDB Database
Students, Skills, Placements, Resumes, Questions

FastAPI Backend
(Data Processing & AI Output)

ReactJS Frontend
(Analytics, Roadmaps, Predictions)



THANK YOU