

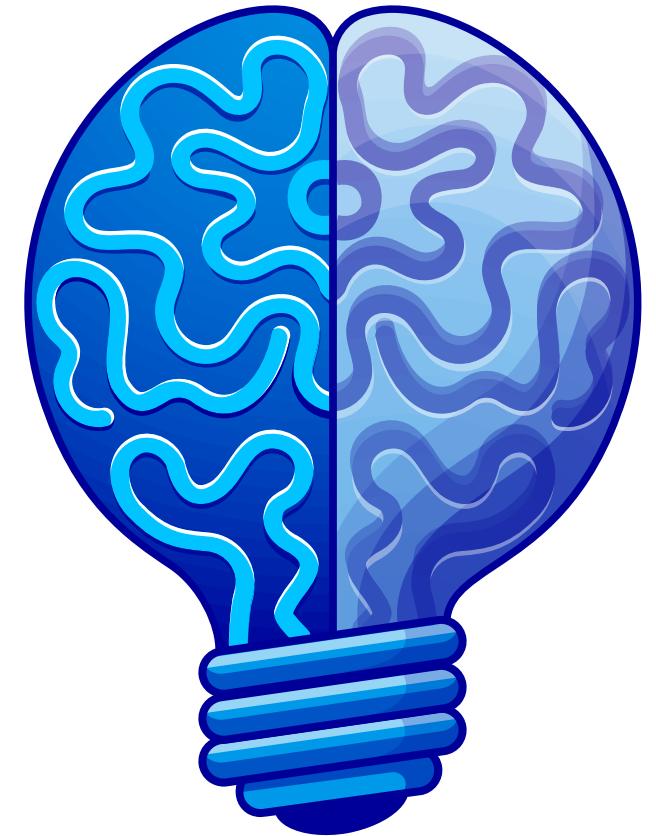


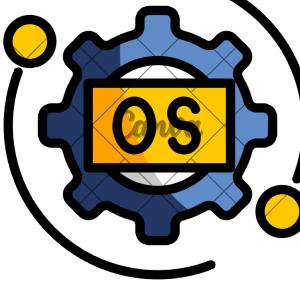
SATHACK HACKATHON 2025



Flagship Hackathon of Saturnalia, TIET

- **Team Name:** 79 OS
- **Team Members:** Aman Yadav, Prem Sharma, Sahil Tiwari, Shubhash Vishwakarma
- **Theme / Track:** New-Age AI Solutions
- **Problem Statement:**
Leveraging Artificial Intelligence and Machine Learning to build an intelligent system that delivers real-world impact through automation, predictive insights, or social innovation.





Title: CareerSphere AI

Problem Identification



What if instead of struggling with resumes, interviews, and unclear career paths, students had an intelligent system guiding them every step of the way?

Introducing CareerSphere AI – your smart career companion powered by AI and VR.

More than just a career portal, Career AI is your personal AI mentor, matching you with internships, optimizing resumes, conducting mock interviews, and crafting your personalized career roadmap.



How It Addresses The Problem

- Matches students with relevant internships using AI.
- Conducts VR-based mock interviews for real-time feedback.
- Optimizes resumes for better ATS visibility.
- Creates personalized career roadmaps and skill plans.
- Engages users through gamified progress tracking.

Innovation & Uniqueness

- Combines AI, VR, and gamification – a unique blend rarely seen in career platforms.
- Focuses on end-to-end career development, not just job listings.
- Provides real-time feedback and analytics to track growth and readiness.
- Delivers a personalized and adaptive experience powered by data and machine learning.



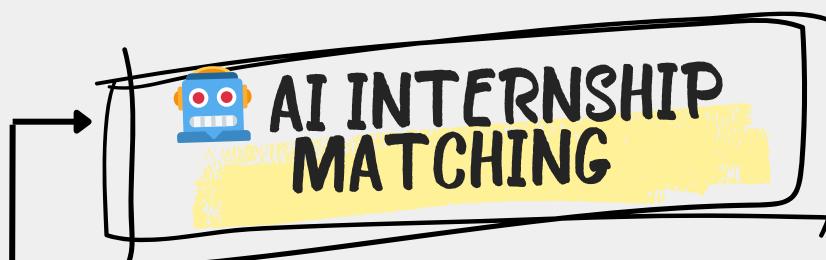
Solution Overview

AI-POWERED CAREER & INTERNSHIP PLATFORM

- AI-Powered Internship Matching – Smart matching based on skills, interests, and goals.
- VR-Based Mock Interviews – Realistic AI interviewer for practice & feedback.
- Resume Parsing & ATS Optimization – Enhances visibility and ranking.
- Personalized Career Roadmap – Long-term career growth suggestions.
- AI Skill & Course Recommendations – Tailored learning paths.
- Interactive Dashboard & Job Tracker – All-in-one career management tool.
- Gamification & Badges – Motivates consistent skill-building.

IT HELPS STUDENTS FIND THE RIGHT OPPORTUNITIES, PREPARE BETTER, AND PLAN SMARTER CAREERS.

KEY FEATURES



Find the most relevant internships and opportunities using smart AI algorithms that match your skills, interests, and goals.



Virtual mock interviews provide real-time AI feedback to improve confidence and skills.



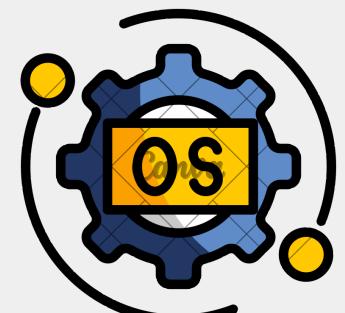
Parses resumes, scores them, and improves visibility across recruitment platforms.

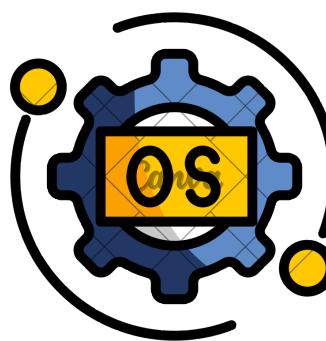


Creates a personalized plan showing career paths, milestones, and learning steps.



Rewards users with badges and ranks, making skill-building fun and motivating.





End Users & Beneficiaries

Target Audience Impact

1) For Students (5+ Million Beneficiaries):

- **85% Faster Application Process** - From 2 weeks to 2 days
- **70% Higher Match Accuracy** - Better alignment with career goals
- **Personalized Career Guidance** - AI-driven skill development recommendations
- **Equal Opportunity Access** - Removes geographical and social barriers

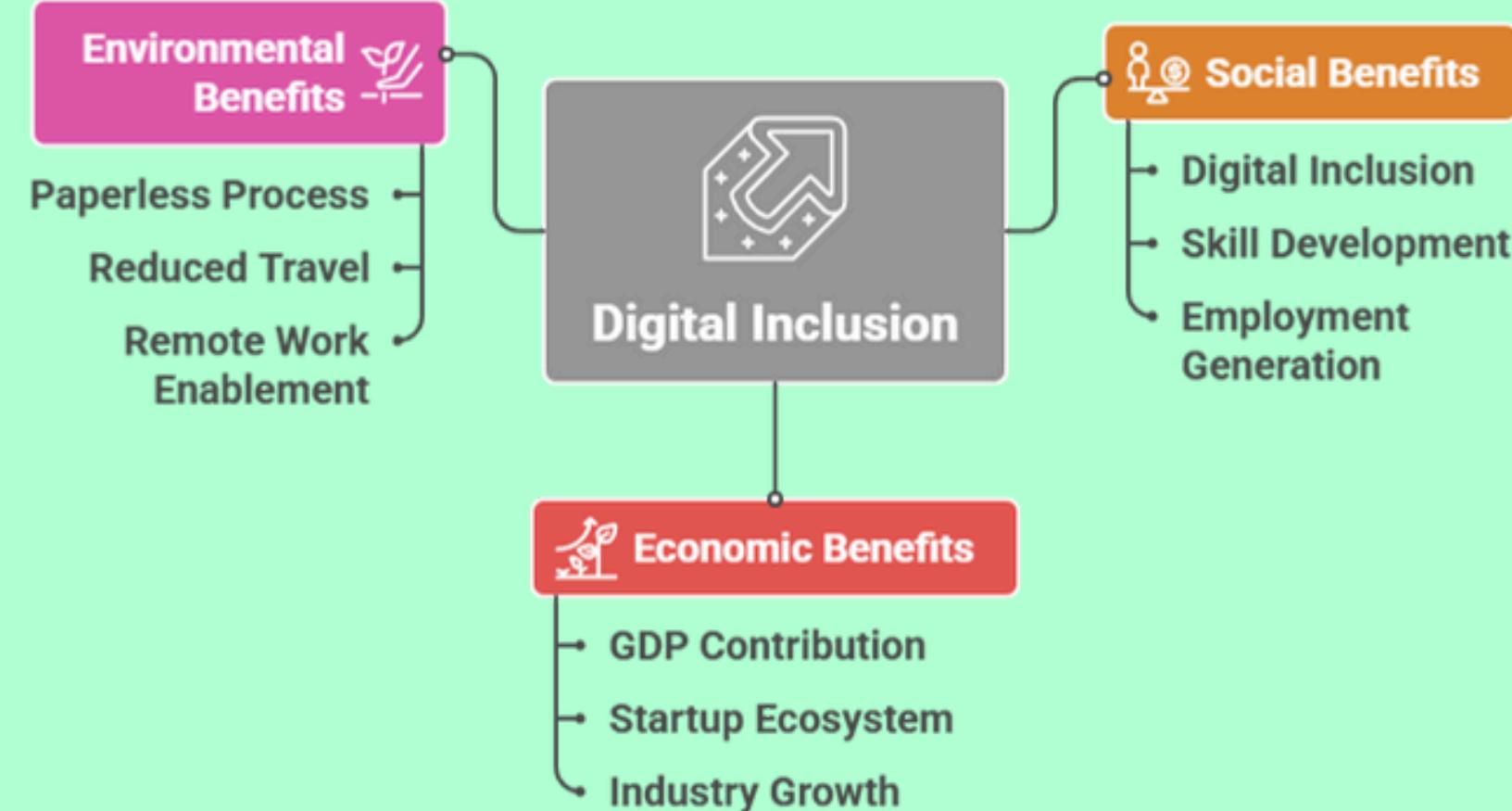
2) For Organizations (50,000+ Partners):

- **60% Reduction in Hiring Time** - Automated screening and shortlisting
- **90% Improvement in Intern Quality** - Better skill matching reduces training overhead
- **Cost Savings of ₹2 Crores Annually** - Reduced HR processing costs

3) For Government:

- **95% Process Digitization** - Complete automation of internship allocation
- **Real-time Analytics Dashboard** - Track program success across states
- **Policy Insights** - Data-driven decisions for future program improvements

Multi-Dimensional Benefits of Digital Inclusion





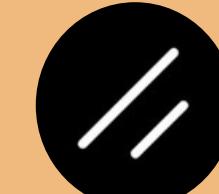
TECHNICAL APPROACH



Web Client(Online)



Tailwind
Css



ShadCN



Mongo DB



React-three-fiber

React Three-fiber



PINECONE

groq™
Groq



python™



IIElevenLabs

Journey to Immersive AI Experience

Integration & Deployment

Optimizing and deploying the system for government and enterprise use.



Immersive Technologies

Integrating VR and advanced UI for enhanced user experience.



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Advanced AI Features

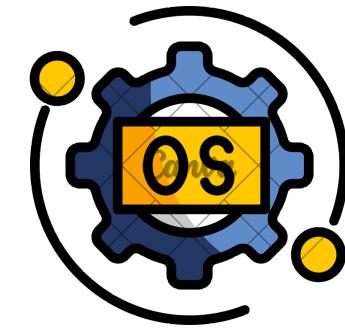
Developing intelligent systems and personalized recommendations.

1



Foundation & Core

Establishing the basic infrastructure and AI engine.



RESEARCH AND REFERENCES

Using AI in Career Guidance for Students

Applicant Tracking Systems with Intelligent Resume Embeddings for Precise Candidate Matching

Optimizing Resume Design for ATS Compatibility

Intelligent Resume Parsing and Job Recommendation via Web-Based CV Analysis System

"AI in Career Counseling" – MIT Technology Review (2024)

Indeed Smart Matching