



GenAI Career Intelligence Platform

Personalised Interview Readiness & Skill
Development Using Generative AI

AWS ImpactX – Techfest IIT Bombay | Round 1 Idea Submission

The Problem: Students Are Not Industry-Ready



Limited Access to Quality Preparation

Students lack personalised, accessible interview preparation resources that adapt to their unique needs and learning pace.

Generic & Expensive Coaching

Traditional coaching is one-size-fits-all, prohibitively expensive, and cannot scale to reach millions of students nationwide.

Soft Skills Training Gap

Critical soft skills like communication, confidence, and professional tone are rarely trained systematically in educational settings.

Mentorship Inequality

Tier-2 and Tier-3 college students face severe mentorship access barriers, limiting their career opportunities and growth potential.

- ❑ **The Reality:** There is no intelligent system that simulates real interviews and provides personalised improvement at scale.

Our Solution: GenAI Career Intelligence Platform

A Generative AI-powered system that builds comprehensive career readiness through personalised interview simulation and actionable skill intelligence.



AI Interview Simulation

Real-time adaptive interviews that mirror actual recruiter interactions



Skill Gap Identification

Precise analysis of strengths and improvement areas



Behaviour & Communication Insights

Deep analysis of tone, clarity, and confidence patterns

AI-Generated Feedback Reports

Comprehensive, actionable insights after every session

Progress Tracking

Visual dashboards showing skill development over time

Institution Dashboard

College-wide analytics and placement readiness metrics

A scalable, adaptive, low-cost career readiness system powered by Generative AI.

Why Generative AI Is Essential

Generative AI transforms interview preparation from static practice into dynamic, intelligent skill-building experiences that adapt in real-time to each student's unique needs.



The GenAI Advantage

- **Real-Time Personalisation:** Generates tailored interview questions dynamically based on role, industry, and skill level
- **Realistic Simulation:** Accurately simulates recruiter tone, personality variations, and interview difficulty progression
- **Comprehensive Analysis:** Evaluates answers for technical content, communication tone, clarity, pauses, and confidence levels



- **Adaptive Learning Paths:** Creates continuously evolving improvement strategies as users develop their skills
- **Continuous Evolution:** System intelligence grows smarter with every interaction, refining feedback quality over time

Vision: Democratising Career Readiness



Transforming Employability for Millions

Our platform addresses the fundamental inequality in career preparation access, ensuring every student—regardless of background or institution—can develop the skills needed to succeed in competitive job markets.

01

Universal Access

Make high-quality interview preparation accessible to every student across India and beyond

02

Placement Success

Dramatically improve placement outcomes for students through measurable skill development

03

Bridge the Gap

Reduce inequality in employability opportunities between Tier-1 and Tier-2/3 institutions

04

Institutional Transformation

Provide colleges with an AI-driven training system that scales effortlessly

05

Holistic Development

Build confidence, communication skills, and professional readiness at unprecedented scale

❏ **Value Proposition:** Affordable. Scalable. Personalised. AI-Driven.

Feasibility & Execution Strength

Technical Feasibility

Modular Architecture

Component-based design enables rapid development and easy maintenance, with clear separation between AI engine, frontend, and backend services.

Standard AI Integration

Built on proven Generative AI APIs and frameworks, ensuring reliability and reducing development risk significantly.

Cloud-Native Design

Fully scalable architecture designed for AWS infrastructure, supporting thousands of concurrent users seamlessly.

Rapid Prototyping

Working prototype achievable using AWS-recommended tools (e.g., Kiro.dev) within Round 2 timeline.

Team Capability



Full-Stack Expertise

Proven experience across AI/ML, frontend, backend development, and intuitive UI/UX design



Domain Understanding

Direct practical exposure to interview simulation challenges and student needs



Validated Skills

Public GitHub profiles demonstrating strong technical capabilities and project execution

Development Strategy: Prototype will be built using AWS-recommended tools (e.g., [Kiro.dev](#)) in Round 2, leveraging cloud services for AI processing, data storage, and scalable infrastructure.

Thank You

Empowering Career Readiness Through Generative AI

We're building an intelligent platform that transforms how students prepare for their careers—making quality preparation accessible, affordable, and personalised for millions. Join us in democratising career success.

📄 Video Pitch + GitHub Links Submitted Separately

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