

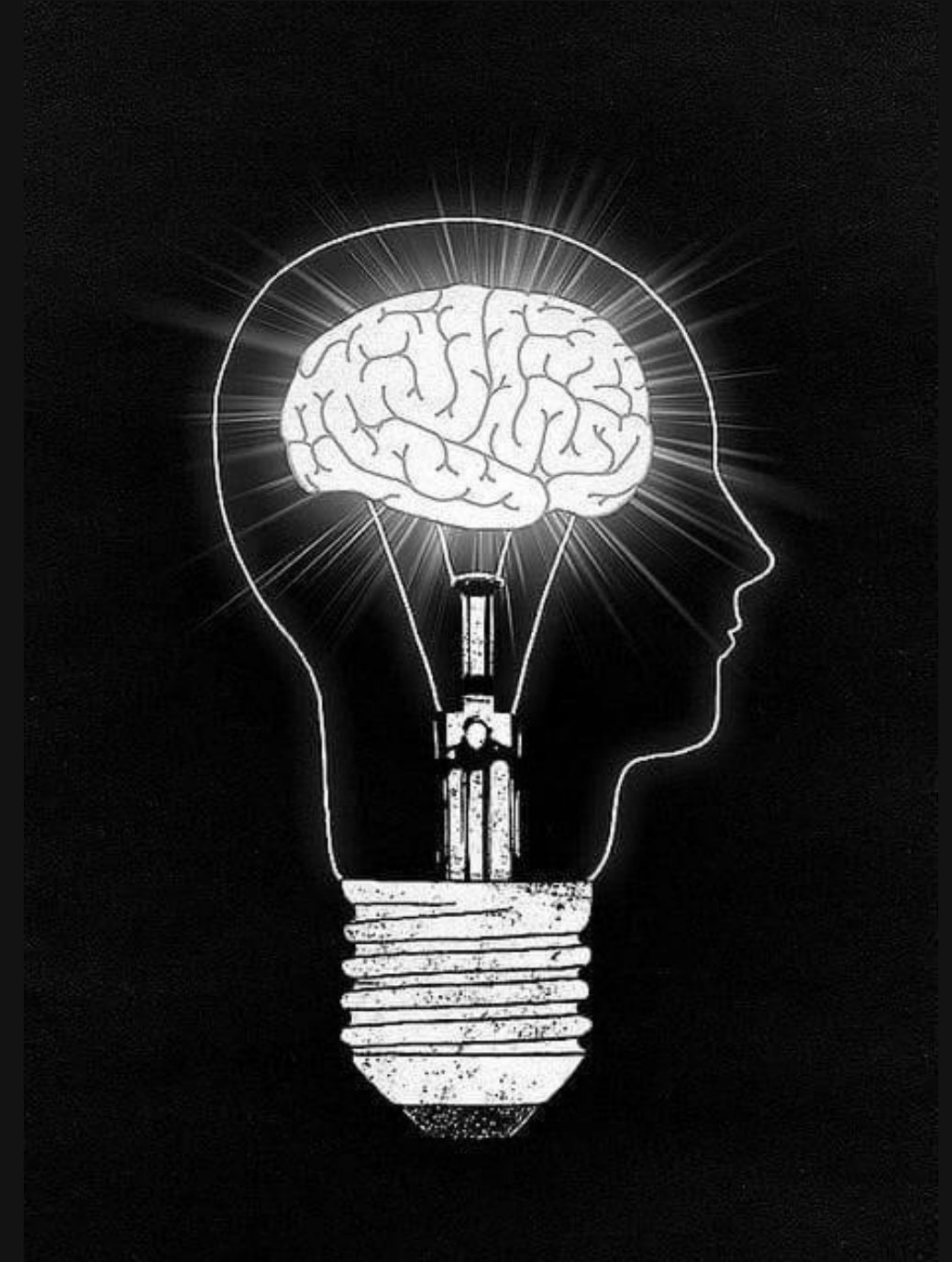
The Career Confusion Crisis

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Team Name :SSD

Team Introduction & Contributions

1. Problem Statement – Disha

Research and compile data on student & early-career professional challenges.

Highlight limitations of traditional career counseling (cost, generic advice, outdated methods).

Explain employer challenges and talent-skill mismatch.

2. Proposed Solution – Disha

Describe the AI Career Path Finder platform and its features.

Explain profile input, career recommendation engine, skill gap analyzer, AI mentor chatbot, and career roadmap.

Emphasize value proposition: personalized, affordable, and up-to-date guidance.

3. Technical Overview ,implementation – Sujay D

Outline tech stack: Frontend (React/Flutter), Backend (Node.js/FastAPI), Database (Firestore/MongoDB), AI/ML (Scikit-learn/TensorFlow), NLP (OpenAI API).

Explain architecture flow: User → ML Model → Chatbot → Database → Frontend dashboard.

4. Output &Market & Business Analysis – Sneha

Target users, market size, feasibility, and scalability.

:Focus on target users & feasibility.

Market size & scalability strategy.

5. Impact – Sneha

Sneha: Technical impact (AI-driven recommendations, bridging education-employment gap).

:Social & business impact (accessibility, partnerships, SaaS model, long-term revenue).

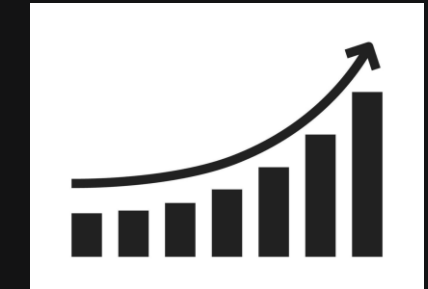
Problem Statement

- The problem statement is about like 70%+ of students and early-career professionals face career confusion.

Traditional career counseling is:

- Expensive 💰
- Generic (not personalized) 📄
- Outdated (not aligned with current industry needs) ⌚
- Employers struggle to find candidates with the right skills, leading to:
 - Talent-skill mismatch
 - Wasted resources in hiring/training
- Result → Career confusion + skills gap + hiring inefficiency.

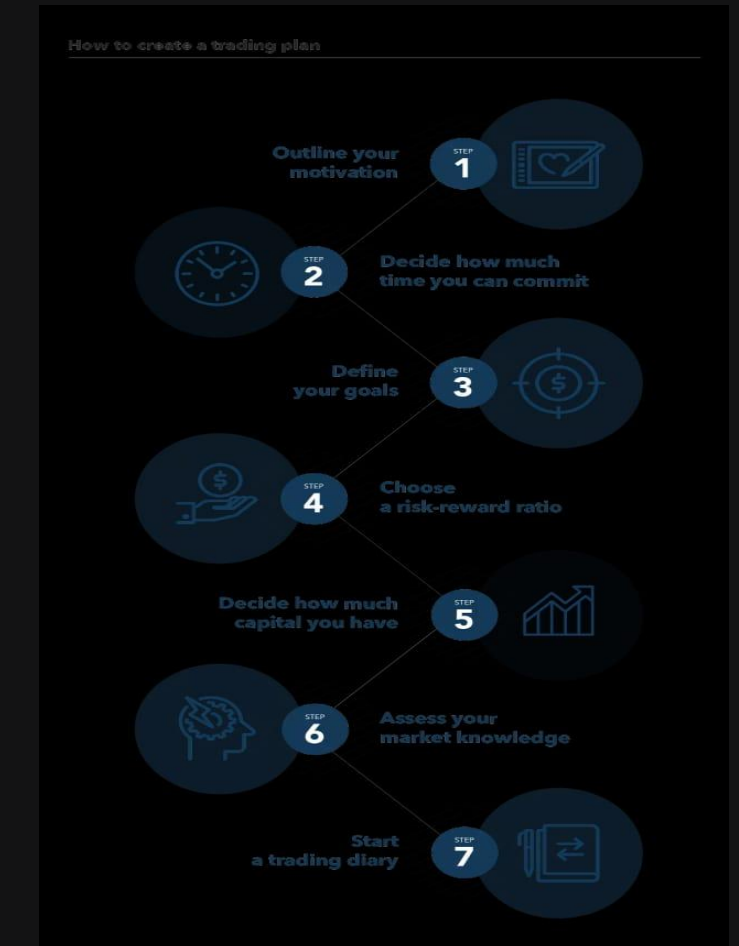
Proposed solution



- A personalized career guidance system powered by AI/ML.
- Profile Input: User enters skills, interests, or uploads resume.
- Career Recommendation Engine: Suggests top career paths with demand insights.
- Skill Gap Analyzer: Identifies missing skills & recommends learning resources.
- AI Mentor Chatbot: Provides career advice, course suggestions, and project ideas
- Career Roadmap: Step-by-step guide (skills → certifications → jobs).

Technical Overview

- Built using React/Flutter (frontend) and Node. backend) for a seamless, cross-platform user experience.
- AI-powered recommendation engine (Scikit-learn/TensorFlow) suggests ideal careers and analyzes skill gaps.
- NLP-driven chatbot (OpenAI API) provides personalized career guidance and learning roadmaps.
- Firebase/MongoDB database securely stores user profiles, progress, and analytics data
- Integrated architecture connects user inputs → ML model → chatbot → database → interactive dashboard.



Implementation

Pathfinder – Career Guide

FileC:/Users/thesk/OneDrive/text/neptune/career-guide/index.html

DiscoverPlanNavigate

Career Discovery Quiz

Answer a few prompts to personalize role recommendations.

What type of work excites you most?

Working with data & systems

Your strongest strength?

Analytical/Math

Preferred environment

Fast-paced startup

Top career value

Impact

Get Recommendations

Top Role Recommendations

Product Manager

RoadmappingUser ResearchCommunicationAnalytics

Prioritization

[SVPG Articles](#) [Reforge Product Strategy](#)

Set as Target

Operations Manager

Process DesignProject ManagementCommunicationExcel

Reporting

[PMI Basics](#) [Notion/Asana Guides](#)

Set as Target

Data Scientist

Data Analvst

Market & Business Analysis

- **Target Users:** Students, early-career professionals, and career counselors form the core user base.
- **Market Opportunity:** Global career counseling market valued at ~\$2.7B with rapid EdTech growth (> \$300B by 2027).
- **Feasibility:** Easy to develop and deploy as a low-cost web or mobile app using available datasets and APIs.
- **Integration Potential:** Can connect with platforms like LinkedIn, Coursera, and job portals for enhanced functionality.
- **Scalability:** Expand from individual users to institutions and enterprises with premium features like analytics, mentorship, and resume tools.

Impact – Social, Technical, or Business Value

- **Social Impact:** Makes career counseling accessible, affordable, and inclusive for all learners.
- **Educational Benefit:** Empowers students to make informed career choices and reduce skill mismatches.
- **Technical Impact:** Leverages AI for personalized recommendations and real-time education–employment insights.
- **Business Potential:** Enables partnerships with EdTech and job platforms for integrated career solutions.
- **Scalability & Sustainability:** Operates as a SaaS model for institutions, ensuring long-term revenue and social impact.



Git Hub Link & Youtube Link



Git Hub Link

[:https://github.com/U-disha/career-guide](https://github.com/U-disha/career-guide)

Youtube Link

[:https://youtu.be/6CSS6_JEgGs?si=A8awNWHmV29PaeZO](https://youtu.be/6CSS6_JEgGs?si=A8awNWHmV29PaeZO)

Thank You