

# PROJECT REPORT

**Title of Project:** Pathfinder Pro

**Name of the Innovator:** MUSKAN MAHATO

**Start Date:** 13-10-2025

**End Date:** 17-10-2025

## Day 1: Empathize & Define

**Step 1:** Understanding the Need

- Which problem am I trying to solve?

Students across India face confusion and lack proper guidance when choosing their career paths after school.

- **Who is affected by this problem?**

Students in classes 8-12 who need clarity on career options, courses, and future opportunities.

- **How did I find out about this?**

Online Research

AI Tools

## **Step 2: What is the problem?**

The problem is that students lack access to personalized career guidance and struggle to make informed decisions about their future. They often choose streams without understanding their options, leading to wrong career choices.

## **Why is this problem important to solve?**

This problem is important to solve because every student deserves the right guidance to discover their potential. By solving this, we can help students make better career decisions, reduce dropouts, and build a more skilled workforce.

## **Take-home task**

Ask 2-3 people what they think about the project:

AI Tools Used for Step 1 and 2:

- 1. Meta MGX-** Used as a no-code development tool to design and deploy the Pathfinder Pro app.
- 2. Deepseek -** Used for idea generation, content structuring, and chatbot conversation design.

## **Day 2: Ideate**

### **Step 3: Brainstorming Solutions**

- List at least 5 different solutions:
  1. AI Chatbot for Career Guidance
  2. Skill Learning Platform
  3. Career Awareness Workshops
  4. Scholarship Alert System
  5. Mentor Connection Platform
- 6. **Pathfinder Pro** - Complete digital platform combining AI guidance with skill development

### **Step 4: My Favorite Solution**

My favorite solution is **Pathfinder Pro**, a digital platform that combines AI-powered career guidance with skill development modules. It helps students discover their strengths and provides personalized recommendations for their future.

### **Step 5: Why This Solution?**

I am choosing **Pathfinder Pro** because it provides comprehensive guidance in one platform. It's accessible to all students, easy to use, and helps them make informed decisions about their education and career paths.

## **AI Tools for Steps 3-5:**

1. Meta MGX - To design and build the **Pathfinder Pro** app
2. ChatGPT - To brainstorm solutions and design conversation flows

### **Day 3: Prototype & Test**

#### **Step 6: Prototype – Building My First Version**

What will my solution look like?

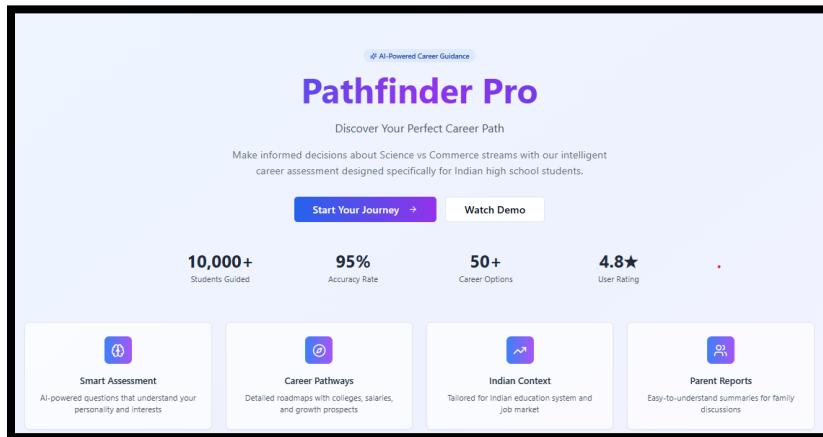
- **Home Screen:** Simple welcome with user onboarding
- **AI Career Assistant:** Interactive chat for personalized guidance
- **Skill Modules:** Bite-sized learning for key skills
- **Opportunity Finder:** Course and college recommendations
- **Progress Tracker:** Monitor learning and exploration
- **Design Style:** Clean, student-friendly interface that works on all devices
- **Prototype Tools:** Built using Meta MGX with fully functional features

#### **AI Tools Used to Build:**

1. **ChatGPT** - For content and AI conversations
2. **Meta MGX** - For no-code app development

**Tool Link:** <https://mgx-459p9k1t4xr.mgx.world/>

## Internal Working of Tool:



The Career Assessment interface shows a progress bar at 0% Complete. An AI message says: "Hi there! I'm your AI career counselor. I'll ask you 8 questions to understand your interests and personality. This will help me recommend whether Science or Commerce stream suits you better. Ready to start?" A question follows: "Question 1: If you won ₹1 crore rupees, what would you do first? A Start a tech company or innovative business; B Invest it wisely in stocks and mutual funds; C Fund research or scientific projects; D Travel and document business opportunities globally".

The results page displays "Your Results Are In!" based on responses. It shows two main streams: "Science Stream" (60% recommended) and "Commerce Stream" (40%). The Science Stream is described as "Perfect for analytical minds who love problem-solving, research, and innovation." The Commerce Stream is described as "Ideal for business-minded individuals who excel in communication and strategy." A large blue banner at the bottom states "Our Recommendation: You're 60% suited for Science stream" and explains that this means strong alignment with science careers.

**Your Top Career Matches**

- #1 Match Science  
**Data Scientist**  
Analyze complex data to help businesses make informed decisions using AI and machine learning.  
₹ Starting: 6-15 LPA starting ↗ **Very High Growth**  
Required Subjects:  
Mathematics Physics Computer Science  
[View Career Path →](#)
- #2 Match Science  
**Software Engineer**  
Design and develop software applications, websites, and mobile apps.  
₹ Starting: 6-12 LPA starting ↗ **Very High Growth**  
Required Subjects:  
Mathematics Physics Computer Science  
[View Career Path →](#)
- #3 Match Science  
**Doctor (MBBS)**  
Diagnose and treat patients, save lives, and contribute to healthcare.  
₹ Starting: 5-10 LPA starting ↗ **High Growth**  
Required Subjects:  
Physics Chemistry Biology  
[View Career Path →](#)
- #4 Match Science  
**Civil Engineer**  
Design and construct infrastructure like buildings, roads, and bridges.  
₹ Starting: 4-8 LPA starting ↗ **Moderate Growth**  
Required Subjects:  
Mathematics Physics Chemistry  
[View Career Path →](#)

**Career Assessment Report**  
A comprehensive analysis for informed career decisions  
Generated by Pathfinder Pro • 17/10/2025

**Executive Summary**

**Recommendation:** Your child is **60%** suited for the **Science stream**.  
**Top Career Match:** Data Scientist with excellent growth prospects and starting salary of 8-15 LPA starting.

Science Stream Match <b>60%</b>	Commerce Stream Match <b>40%</b>
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**Why This Recommendation Makes Sense**

- Personality Alignment**  
Your child's responses indicate strong alignment with science careers, showing natural inclination towards analytical thinking, problem-solving, and research-oriented tasks.
- Interest Pattern**  
The assessment revealed consistent preferences for technical challenges, logical reasoning, and innovation.
- Future Market Demand**

## Step 7: Test – Getting Feedback

### • Who did I share my solution with?

Students, teachers, career counselors, parents, and peers

### • What feedback did I receive?

#### **Pros:**

1. Helpful for exploring career options
2. Easy to use and navigate
3. Useful skill development content

### **Cons:**

1. Chatbot could be more responsive
2. Some features need more content
3. Limited database in prototype version

**My Response:** This is an initial prototype showing the core concept. Future versions will expand features and content based on user feedback.

### **Day 4: Showcase**

#### **Step 8: Presenting My Innovation**

I am presenting **Pathfinder Pro** - an AI-powered career guidance platform that helps students discover their ideal career path. It features:

- Personalized AI career assistant
- College and course recommendations

**Impact:** **Pathfinder Pro** empowers students to make confident career decisions and builds a foundation for their future success.

#### **Step 9: Reflections**

##### **• What did I enjoy the most?**

I enjoyed bringing my idea to life and creating something that can genuinely help students. Building the AI assistant and seeing it provide useful guidance was particularly rewarding.

##### **• What was my biggest challenge?**

Creating a seamless user experience while working within prototype constraints, and ensuring the AI guidance feels genuinely helpful to users.

**Repository:** <https://github.com/MuskanMahato-oo/-Pathfinder-Pro->