



**Abacus Institute of
Engineering & Management**

(approved by AICTE and affiliated to MAKAUT and WBSCT&VE&SD)



P^{THO} PRODORSHOK

FINAL YEAR PROJECT – CAREER PLANNER PLATFORM

Devdeep Saha

B.Tech (CSE)

7th Sem

24000122012

Imran Mollick

B.Tech (CSE)

7th Sem

24000122022

Ritabhas Ghosh

B.Tech (CSE)

7th Sem

24000122042

Debasish Ghosh

B.Tech (CSE)

7th Sem

24000122018

Problem Statement

Students face several challenges in career planning that Potho Prodorshok aims to solve



Career Confusion

Students often feel confused and overwhelmed about their career choices, with limited understanding of available options.



Lack of Guidance

Insufficient personalized guidance in schools and colleges leaves students to make critical decisions without proper support.



Scattered Information

Career information is fragmented and scattered across the internet, making research difficult and time-consuming.



Disjointed Solutions

No unified platform that combines career planning, AI tutoring, and scholarship discovery in one cohesive experience.



Project Objectives

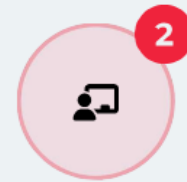
Potho Prodorshok aims to achieve these four key goals to empower students



1

Identify Career Paths

Help students discover and explore suitable career paths based on their interests, skills, and educational background.



2

Provide Academic Support

Offer personalized tutoring and academic assistance to help students excel in their studies and prepare for exams.



3

Match Scholarships

Connect students with relevant scholarships based on their profile, eligibility criteria, and financial needs.



4

Centralize Resources

Create a unified, user-friendly platform that brings together all essential student development tools and resources.



Project Overview

A modern React-based web application with scalable architecture and intuitive features

Potho Prodorshok is a web application built using React and lazy-loaded pages, designed to provide comprehensive career guidance, academic support, and scholarship information for students in one unified platform.



Career Planner

Interest-based career guidance and personalized roadmaps



AI Tutor

24/7 learning support with intelligent responses



Scholarship Finder

Personalized scholarship matching based on eligibility



Clean UI

Intuitive interface with fast navigation and responsiveness

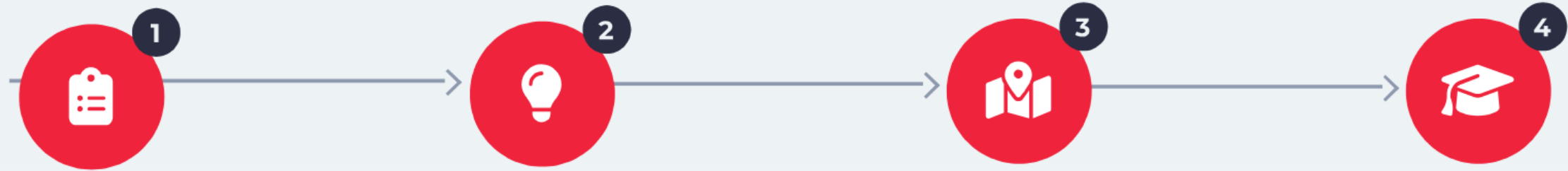


Modular Design

Scalable architecture for easy updates and maintenance

Key Feature 1: Career Planner

Helping students discover the right career path through a personalized interest-based approach



Interest Assessment

Students answer questions about their interests, skills, and preferences to help identify suitable career paths.

Career Suggestions

System analyzes responses and suggests suitable careers with detailed descriptions of each option.

Roadmap Creation

Shows required qualifications, education path, and potential opportunities for each career option.

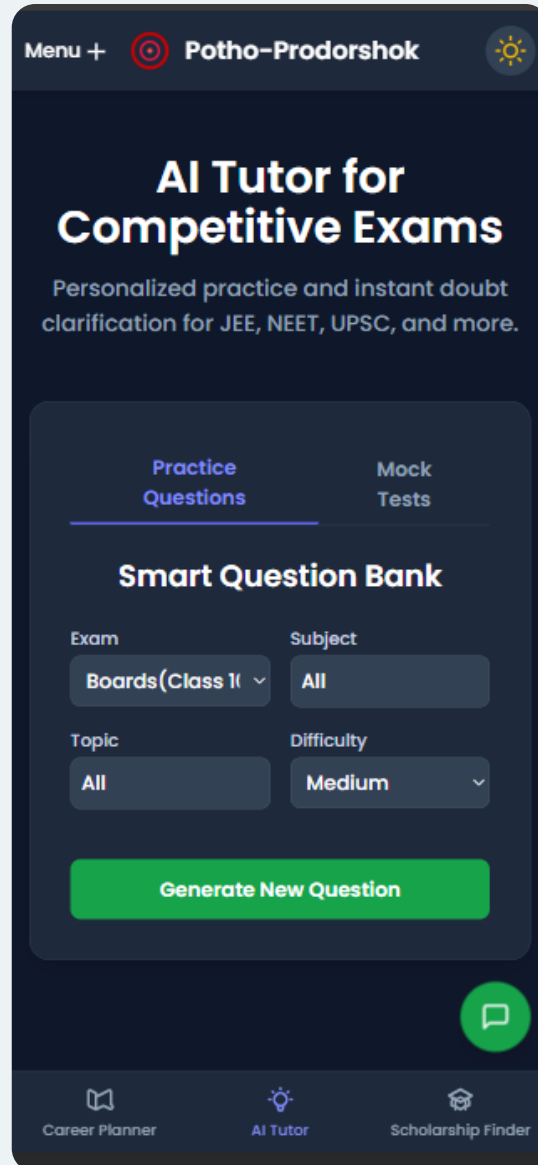
Learning Guidance

Provides personalized recommendations on what to study next based on chosen career path and current skills.



Key Feature 2: AI Tutor

Providing personalized 24/7 learning support through an intelligent chatbot interface



What It Combines

- LLM responses for accurate, up-to-date information
- Teacher-provided knowledge for curriculum alignment

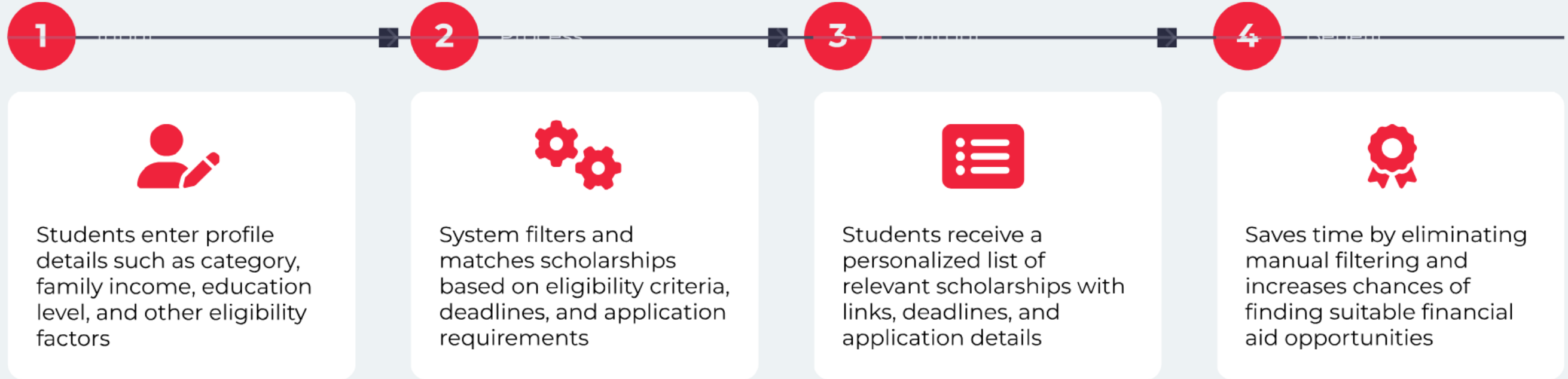


How It Helps

- Explains complex concepts and definitions
- Assists with exam preparation and homework
- Provides 24/7 learning support without waiting

Key Feature 3: Scholarship Finder

Connecting students with relevant scholarship opportunities through personalized matching



By streamlining the scholarship discovery process, Potho Prodorshok helps students focus on applying for the most relevant opportunities rather than spending hours searching.

Tech Stack

The technologies powering Potho Prodorshok's platform


Frontend


 React.js


 Tailwind CSS

 Material UI


Routing


 React Router


 Lazy Loading

 History API

Backend

 Python

 Flask


 REST API

Database

 Supabase

 MySQL

AI & APIs

 Gemini API

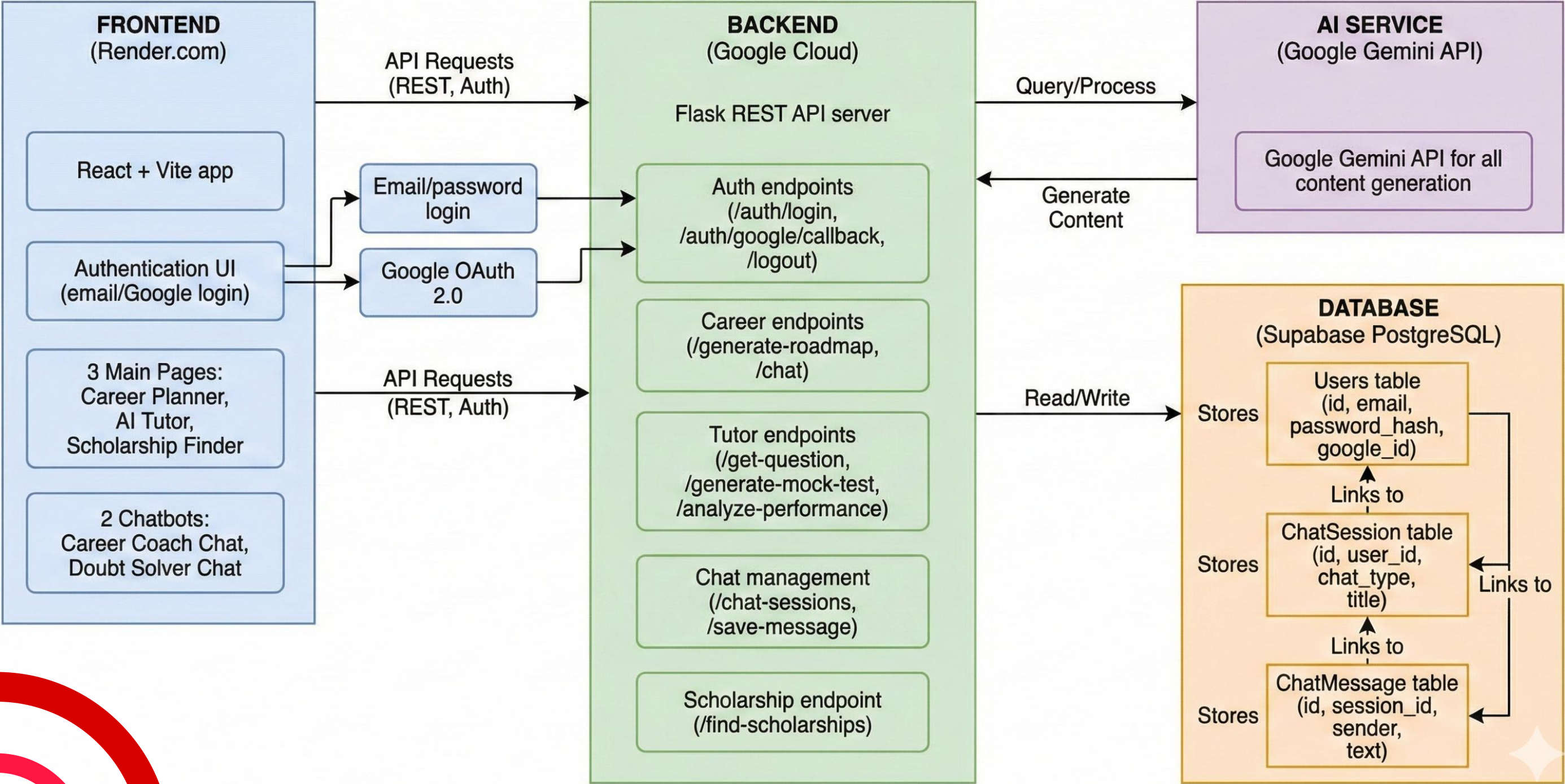
DevOps

 GitHub

 Render

 Google Cloud

Architecture and Workflow



Future Scope & Conclusion

Planned enhancements to scale the platform and improve student outcomes.



Progress Tracking

Dashboard for students to monitor their learning curves, career milestones, and roadmap completion status.



Resume Builder

Auto-generate professional, ATS-friendly resumes based on user profile, skills, and project history.



Mock Interviews

AI-driven voice interview simulations tailored to target roles to help students prepare for real job scenarios.



College Integration

Partner with institutions for real-time admission guidance, verified course data, and alumni networking.

Bridging the Gap in Career Guidance

Potho Prodorshok is more than just a project; it is a step toward personalized, accessible, and smart guidance for every student. By combining planning, AI tutoring, and financial support, we empower the next generation to build their future with confidence.



LIVE DEMO

pothoprodorshok.onrender.com