

Intern
Applicant Project



Date: 20/03/2025

Instructions:

This project has two parts, both parts of this project are compulsory as part of your submission.

1. AI-Powered Pitch Deck Generator

Objective:

Develop a user-centric application that uses AI to assist users in generating, customizing, and managing investor pitch decks. The application should allow for dynamic editing, reordering of slides, and AI-assisted script writing.

Requirements:

Core Functionalities:

- Use an AI model (e.g., OpenAI API or Gemini) to generate a pitch deck outline based on user-provided inputs (e.g., company name, industry, problem statement, solution, business model, financials).
- Populate slides with starter content (text + suggested images).

Interactive Edit Enable users to:

- Drag-and-drop slides to reorder them.
- Rename slides dynamically (e.g., change "Market Analysis" to "Industry Insights").
- Regenerate individual slides based on user feedback.

AI-Assisted Script Writing: Integrate a chatbot to:

- Help users refine their pitch content.
- Generate and improve speaker notes for each slide.

User Management: Enable user authentication and pitch decks saving to ensure progress persistence.

Export Options: Support exporting the pitch deck in:

- PowerPoint (.pptx)
- PDF (.pdf)

Bonus Features:

- Slide Templates: Provide a library of pre-designed slide layouts (e.g., problem-solution, financial projections, team).
- Version Control: Allow users to track changes and revert to previous versions.
- Media Integration: Let users add AI-suggested images/icons for slide visuals.

Technical Requirements:

Frontend:

Framework: React.js or Next.js with Material-UI or Tailwind CSS for styling.

Drag-and-drop functionality for sections.

Backend:

Node.js with NestJS for handling API requests and interactions with the AI model.

Use LLM APIs (e.g., OpenAI) for generating and refining content.

Database:

SQL or NoSQL database (e.g., PostgreSQL, MongoDB) to store user data and pitch decks.

Authentication:

Use secure authentication systems (e.g., Auth0 or Firebase Authentication).

Evaluation Criteria:

Core Criteria:

Functionality: Completeness and correctness of core features.

Usability: Ease of use for generating, editing, and exporting pitch decks.

Code Quality: Clean, modular, and well-documented code.

Scalability: Ability to support multiple users and large pitch decks.

AI Integration: Effective use of LLMs for generation and refinement.

User Experience: Intuitive design and clear workflows for all users.

Bonus Criteria:

Implementation of version control, and templates.

Innovative features that improve user productivity.

Deliverables:

Source Code: Hosted in a GitHub repository.

Functional Application: A deployed, fully functional application accessible via a URL.

Database: A sample database containing user-generated pitch decks.

Documentation:

Setup and deployment guide.

Detailed README with usage instructions.

2. Rifbid Review and Analysis

Objective:

The purpose of this section is to evaluate the Rifbid platform and propose a new feature to enhance its functionality. Your insights will help us refine the platform to better meet user needs and improve the overall user experience.

Instructions:

1. Create an Account and Sign In:

- Visit www.rifbid.com.
- Register for an account and log in to the platform.

2. Review the Application:

- Navigate through the platform, exploring all available features and functionalities.
- Take notes on your observations about the platform's layout, usability, and design.

3. Document Your Observations:

- Provide a summary of your understanding of the platform, its purpose, and its key functionalities.
- Highlight aspects of the platform you believe were executed well.
- Identify areas where improvements can be made and provide specific suggestions.

4. Propose a New Feature:

- Suggest one feature you would add to the platform.

- Explain the reasoning behind adding this feature and how it aligns with the platform's goals.
- Propose a method for justifying the implementation of this feature (e.g., user surveys, competitive analysis, or usage metrics).

5. Implementation Plan:

- Provide a high-level description of how you would build and integrate this feature into the platform.
- Discuss any tools, frameworks, or technologies you would use.

Deliverable:

Submit a one-page document summarizing your evaluation and proposal.

Ensure your response is clear, concise, and well-structured.

Evaluation Criteria:

- Depth of platform understanding.
- Practicality and innovation of the proposed feature.
- Feasibility and clarity of the implementation plan.