

# Personal Finance Chatbot (Gemini 2.5 Pro) Project Documentation

## Project Title:

**“Personal Finance Chatbot using Google Gemini 2.5 Pro”**

## Objective:

To build an intelligent, interactive chatbot using Google Gemini 2.5 Pro and Streamlit that provides personalized financial guidance to users, especially students and professionals. The chatbot assists with savings, budgeting, taxes, loans, and general financial advice.

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## Team Members (Team 3)

### ✓Team Lead:

**Name:** A.Meghana

### **Responsibilities:**

- Oversaw the complete development cycle
- Set up Streamlit structure and folder layout
- Managed Google Gemini API integration
- Created `.streamlit/config.toml`, `requirements.txt`, and deployment configs
- Ensured consistent communication across the team
- Final deployment and testing on Streamlit Cloud

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## Developer 1:

**Name:** G.Poojitha

**Responsibilities:**

- Built the core chatbot logic using Google Gemini API
  - Handled user prompt structuring for better output from Gemini
  - Implemented error handling and Gemini response formatting
  - Designed conversational flow and prompt instructions (“Act as a financial advisor...”)
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## Developer 2:

**Name:** P.Kavya

**Responsibilities:**

- Developed a clean and modern Streamlit UI
  - Implemented dropdown (student/professional) and text area for input
  - Integrated chat history, clear chat functionality, and success/error notifications
  - Added emoji and user-friendly formatting to make the UI attractive
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## Features Implemented:

- Gemini 2.5 Pro integration for accurate and intelligent answers
  - Streamlit UI with:
    - User type selector (Student / Professional)
    - Text box for questions
    - Dynamic chat response with financial advice
    - Chat history logging and clearing
  - Improved prompt structure for better responses
  - Error handling for Gemini API issues
  - Requirements and config files for deployment
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## Technologies Used:

- **Python 3.10**
  - **Streamlit** (for UI)
  - **Google Generative AI SDK** (google-generativeai)
  - **Gemini 2.5 Pro**
  - Git + GitHub for version control and collaboration
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## Files Included:

- `program6.py` – Main chatbot app
  - `requirements.txt` – Python dependencies
  - `packages.txt` – Linux-level dependencies for Streamlit Cloud
  - `.streamlit/config.toml` – Streamlit config file for Python version and runtime setup
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## Sample Questions Users Can Ask:

- How to save money as a student?
  - What is the 50/30/20 budgeting rule?
  - How can I reduce my expenses?
  - Are education loans tax deductible?
  - How do I build an emergency fund?
  - How to start investing as a beginner?
  - I feel stressed about money. What should I do?
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## ✓Status:

- [✓] Development Completed
  - [✓] Testing Completed
  - [✓] Deployed on Streamlit Cloud
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## Future Scope:

- Add voice input support
  - Integrate charts for budgeting visualizations
  - Save user profiles for personalized advice
  - Expand support for regional financial advice
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## Acknowledgements:

- Google Gemini Team for the free access API
- Streamlit Community for deployment and UI inspiration
- OpenAI for guidance throughout the project process

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*This document serves as a complete project overview and contribution summary for Team 148: Personal Finance Chatbot.*