T E A M

ILLUMINATE

TEAM ILLUMINATE

PRODEV.AI

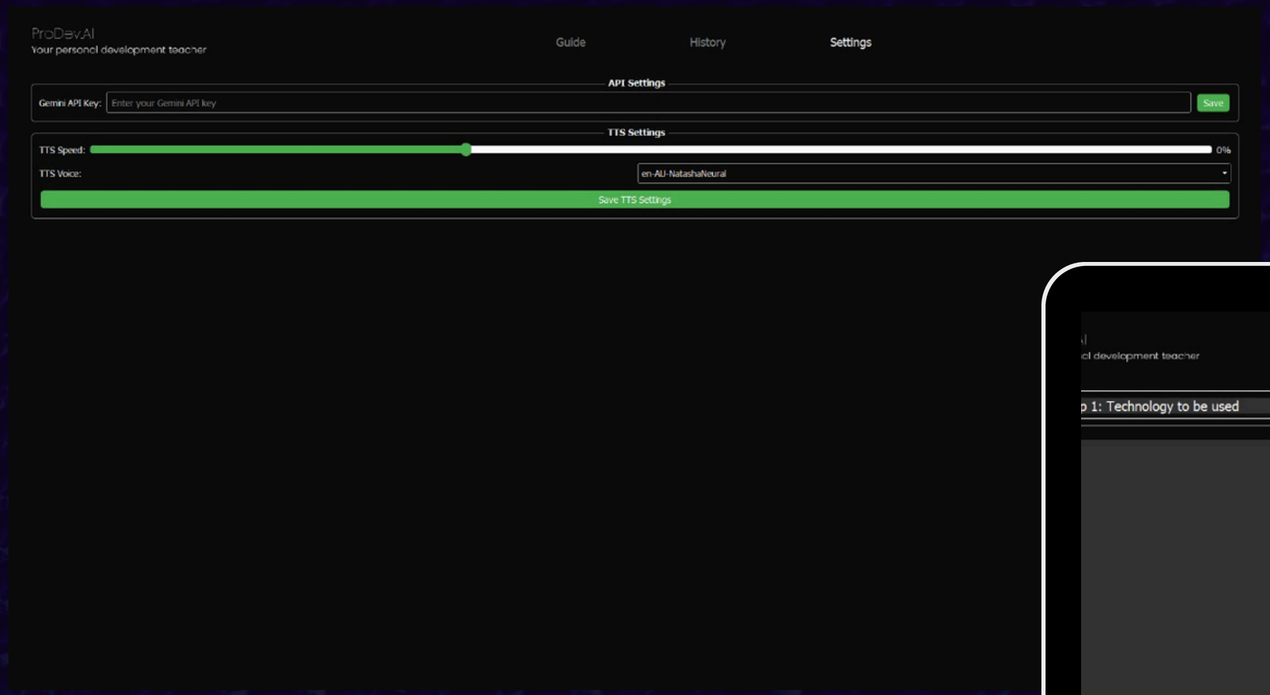
PROBLEM STATEMENT

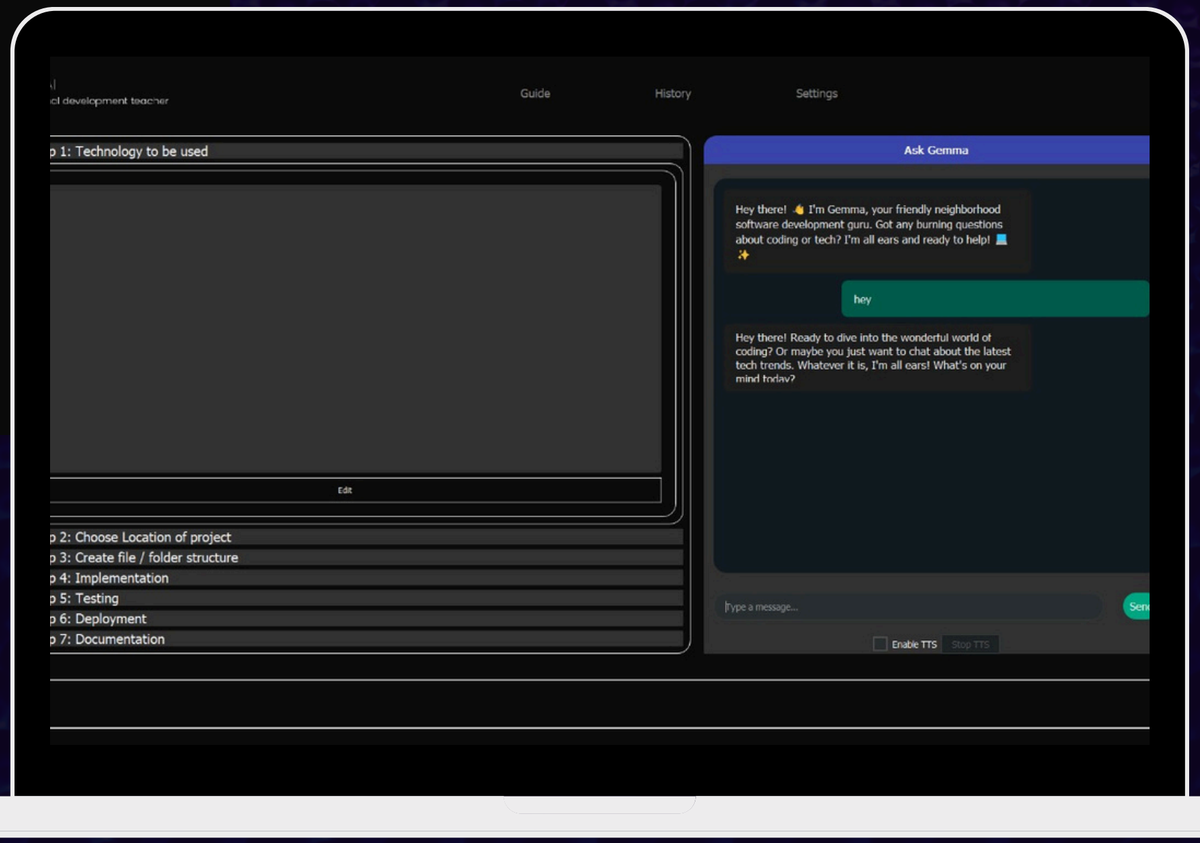
Learning software development has become increasingly complex and time-consuming, often requiring extensive knowledge and experience to navigate through various stages of a project. Traditional methods lack efficiency and struggle to keep up with the evolving demands of the industry.

OUR SOLUTION

ProDev.AI is an innovative AI-powered development assistant designed to streamline the development process and provide developers with clear, actionable insights at every stage of their project. By leveraging advanced AI model Gemini-1.5-pro , ProDev.AI revolutionizes the way developers approach learning software development.

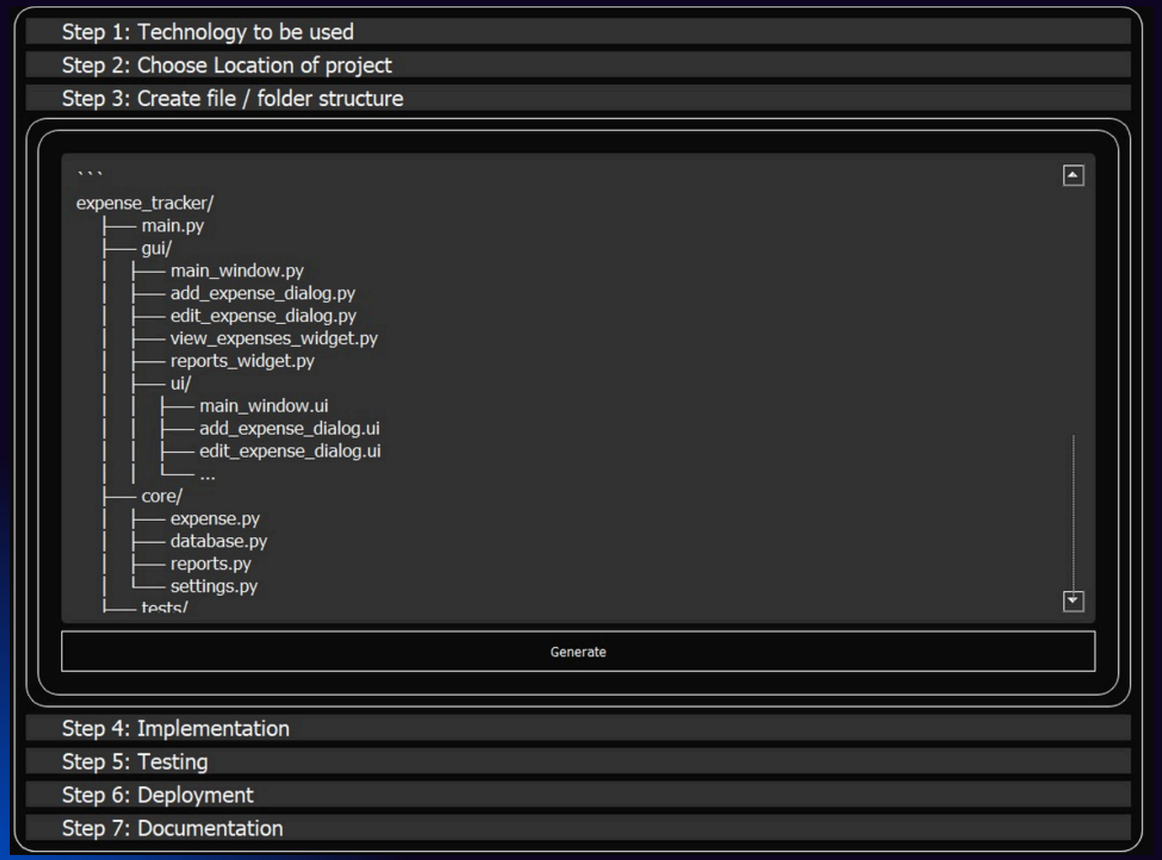
USER INTERFACE



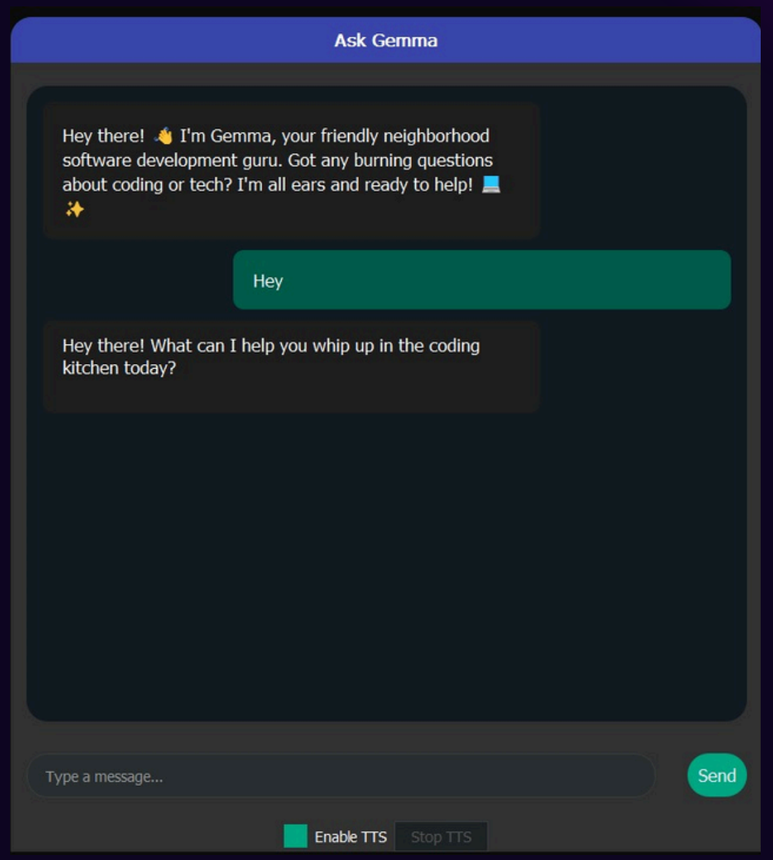


FEATURES

Generate step by step implementation of development of software on command of user

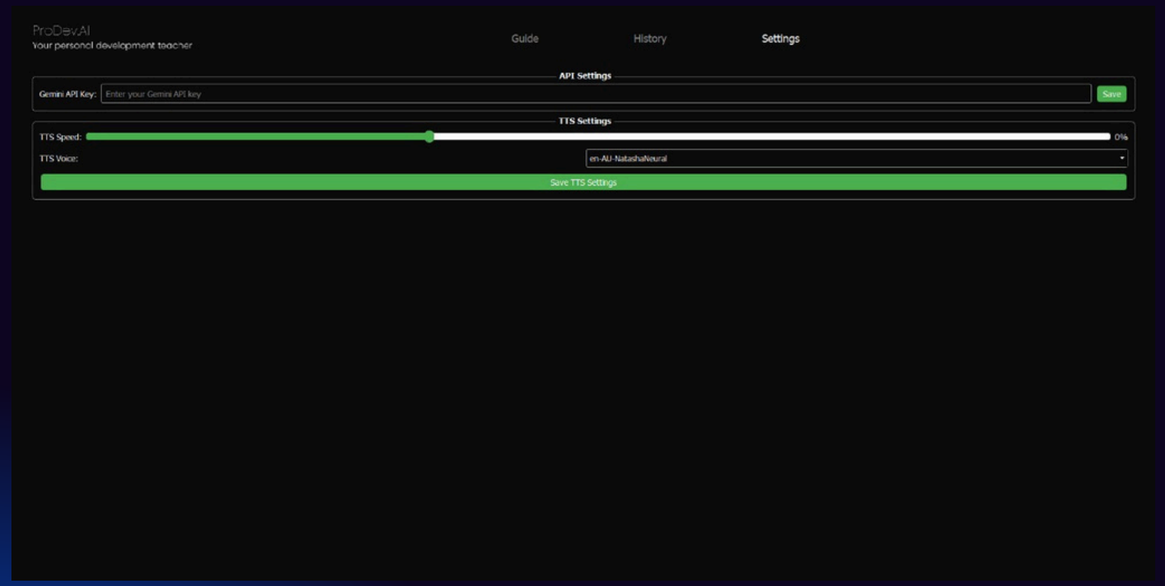


Clarify all your doubts with the help of our very own AI chatbot Gemma(using Gemini-1.5-pro)

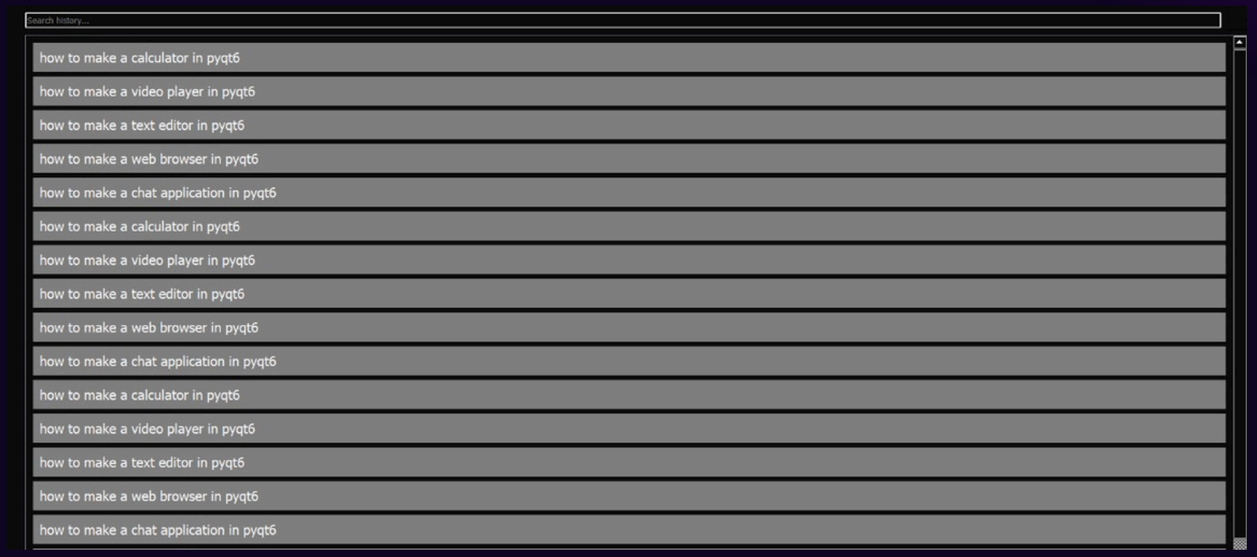


FEATURES

Adjust the speed and voice of AI assistant
Use your own api key to ensure privacy of your data



Browse your history and continue your project anytime



UNIQUE SELLING POINT

. **Ease of Use:**
  - **Natural Language Processing**: Users can create software simply by describing their requirements in plain language, eliminating the need for complex coding knowledge.

Versatile Application:
  - **Wide Range of Capabilities**: Supports the development of various types of software, from simple web applications to complex enterprise solutions.

Educational Component:
  - **Interactive Learning**: Helps users understand software development principles through interactive tutorials and real-time feedback, making learning engaging and practical.

AI Assistant Support:
  - **Real-Time Guidance**: Provides instant help and suggestions through an integrated AI assistant, improving user productivity and ensuring smoother development processes.

Rapid Prototyping:
  - **Quick Iteration**: Users can rapidly prototype their ideas, test functionality, and make adjustments on the fly, significantly reducing development time.

RAG (Retrieval-Augmented Generation)
- **Contextual Relevance:** Retrieves relevant information and examples.
- **Enhanced Problem Solving**: Uses past solutions for innovative approaches.
- **Knowledge Base Integration:** Incorporates latest industry standards.
- **Adaptive Learning**: Learns from user interactions for better recommendations.

Customization and Flexibility
- **Tailored Solutions:** Extensive customization options.
- **Advanced Customization**: Allows code tweaking and third-party integrations.
- **Configurable Templates:** Customizable templates for streamlined development.
- **Modular Components:** Select and customize modular components.

Scalability
- **Project Handling:** Manages small to large-scale projects
- **Multi-Platform Support**
- **Cross-Platform:** Generates software for web, mobile, and desktop.

Additional Benefits
- **Plugins and Extensions:** Marketplace for enhanced functionality.
- **Community and Collaboration:** User community and team-based development.
- **Security and Compliance:** Adheres to security best practices and standards.
- **Business Solutions:** Enterprise support, maintenance, and updates.

BUSINESS PROSPECT

Individuals: Aspiring and professional developers seeking continuous learning.
Educational Institutions: Universities and coding bootcamps integrating ProDev.AI into their curricula.
Corporations: Companies using ProDev.AI for employee training and development.
Revenue Streams:

Subscription Model: Tiered plans for individual users, institutions, and corporations.
Licensing Fees: Licensing ProDev.AI to educational institutions and corporations.
Freemium Model: Basic functionalities free, premium features via subscription.
Business Prospects (Slide 2)
Market Differentiation:

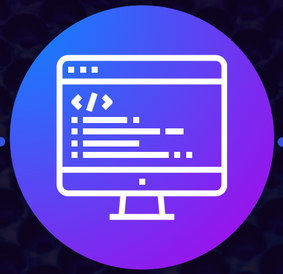
Comprehensive Learning Support: End-to-end assistance from development to deployment.
Interactive Assistance: Real-time help from Gemma, the AI chatbot.
Scalability: Catering to various skill levels, from beginners to advanced developers.
Future Development:

Language Support: Expanding to support multiple programming languages.
Integration with Other APIs: Broadening functionalities with additional API integrations.
Community Features: Forums and collaborative tools for user knowledge sharing and support

TECH STACK

AI Models

Gemini-1.5-Pro



Frontend

PyQt5

Backend

Python

Libraries

Pygame
asynco
emoji

THANK YOU