

# FUNDMATE

AI POWERED PERSONALIZED  
FUNDS MANAGER FOR STUDENTS.

PRESENTED BY 3 IDIOTS





# INTRODUCTION

**PROBLEM STATEMENT :** Students often face challenges in managing their limited and irregular finances due to a lack of personalized guidance and real-time support. Existing budgeting tools fail to address the unique financial behavior and needs of students, leading to poor money management and financial stress.

**PROPOSED SOLUTION :** This intelligent assistant provides a conversational interface where students can effortlessly:

- **Log expenses and income using natural language (e.g., 'Add ₹500 from scholarship on 15th April')**
- **View categorized spending and monthly summaries**
- **Set savings goals and receive personalized financial insights**
- **Engage with a user-friendly and accessible system available 24/7**

By integrating Natural Language Processing (NLP), contextual understanding, and personalized financial tracking.

# ✗ OUR MISTAKES & LEARNING POINTS



## Lack of Early Data Balancing

- Initially trained the model on an imbalanced dataset, which affected prediction accuracy for less-represented intents.

## Limited Intent Coverage

- Missed edge-case scenarios like slang, spelling mistakes, or compound queries in natural language inputs.

## Basic Model Selection

- Started with Logistic Regression for simplicity, which limited performance on complex sentence structures — later realized more advanced models (e.g., transformers) could significantly improve accuracy.

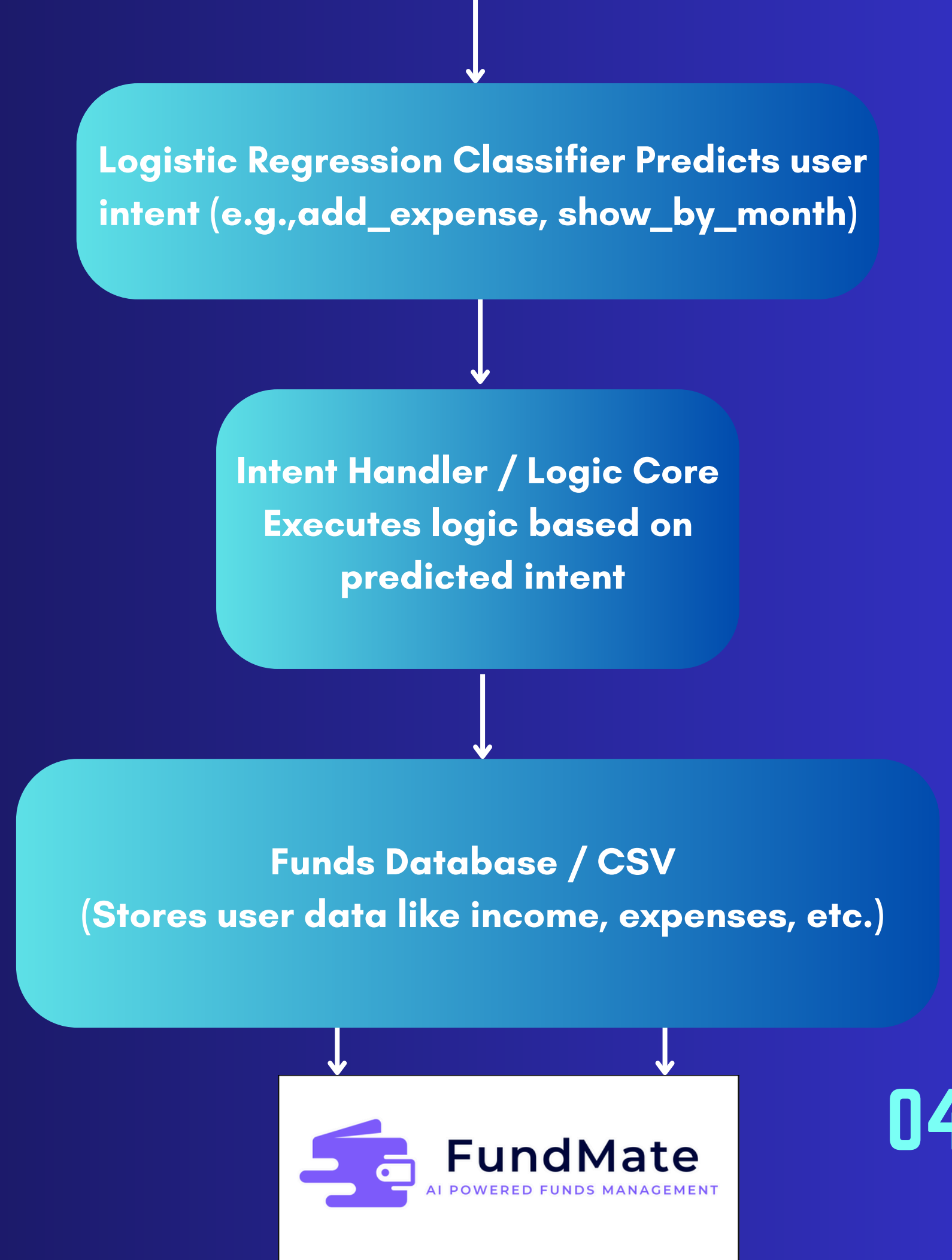
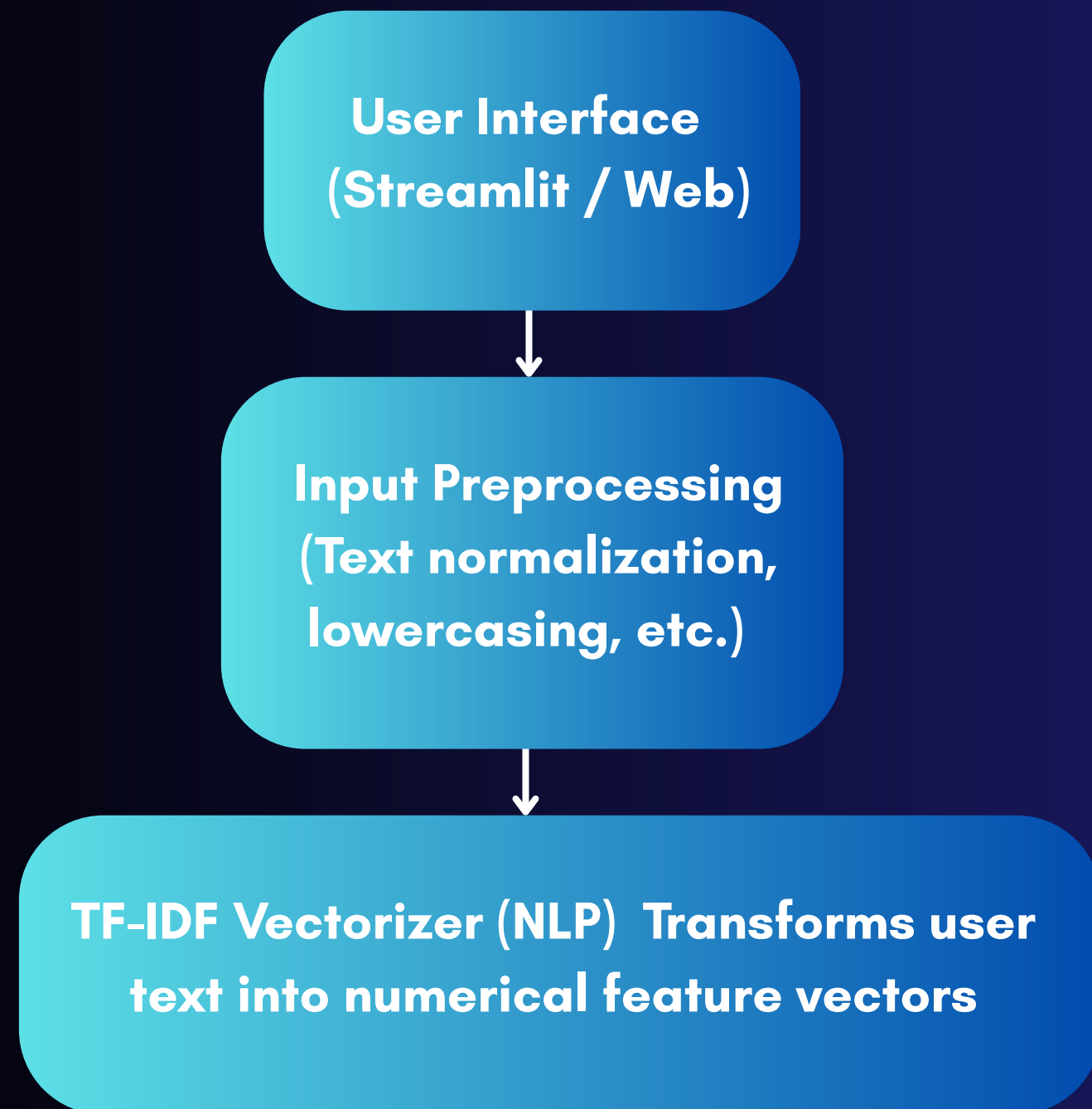
## Insufficient Error Handling

- Didn't anticipate or manage scenarios like missing files, bad data paths, or undefined user queries gracefully in the early versions.

## Minimal User-Centric Testing

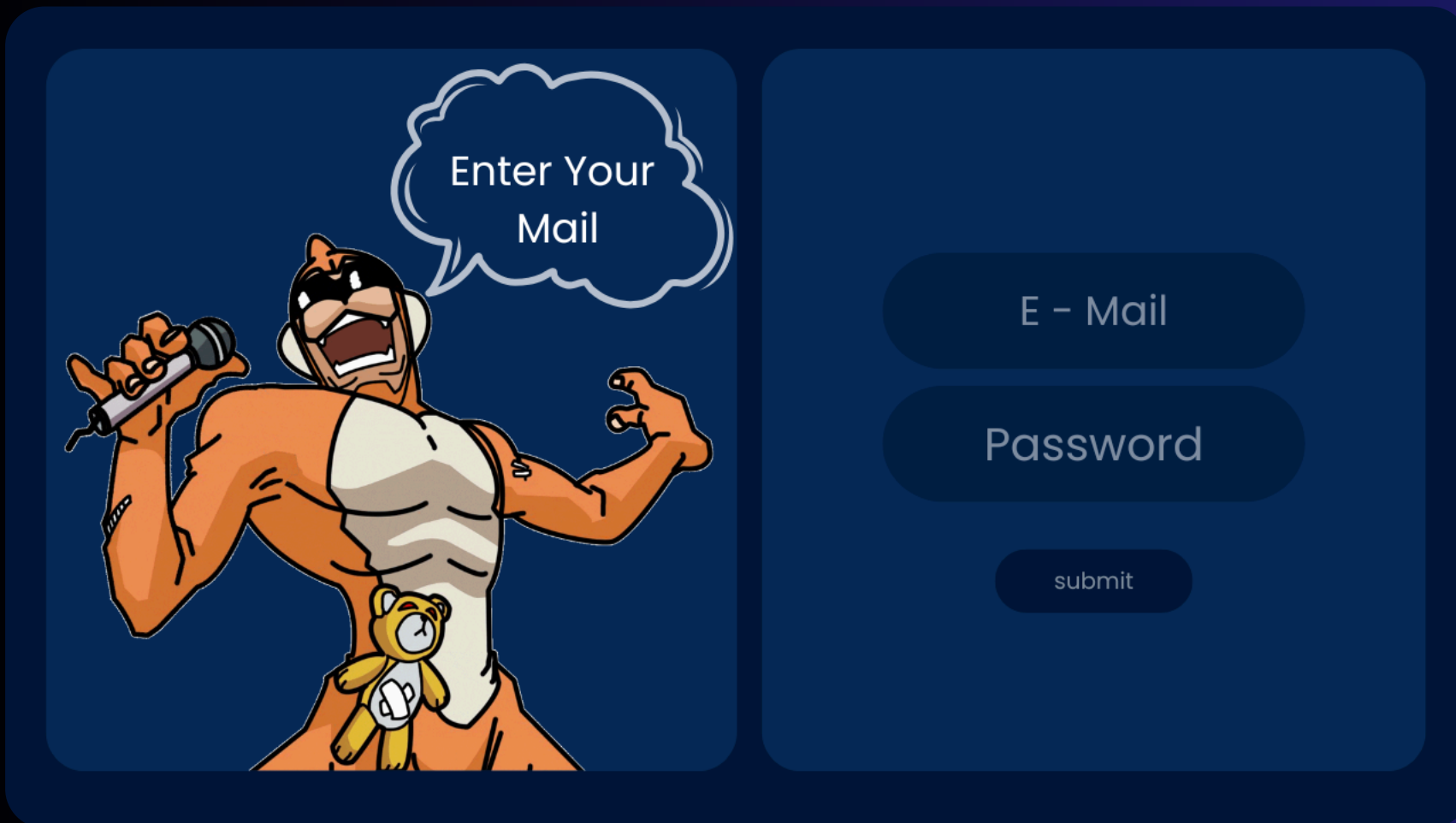
- Focused more on functionality than UX, leading to overlooked improvements in chatbot responses and usability from a student's perspective.

# APP'S ARCHITECTURE





# OUR APP'S APERIENCE



## 1) 🎮 Interactive Student Finance Chatbot UI

This is a gamified, visual interface of our AI-driven funds management assistant for students.

The character-based design adds a friendly and engaging touch to budgeting tasks.

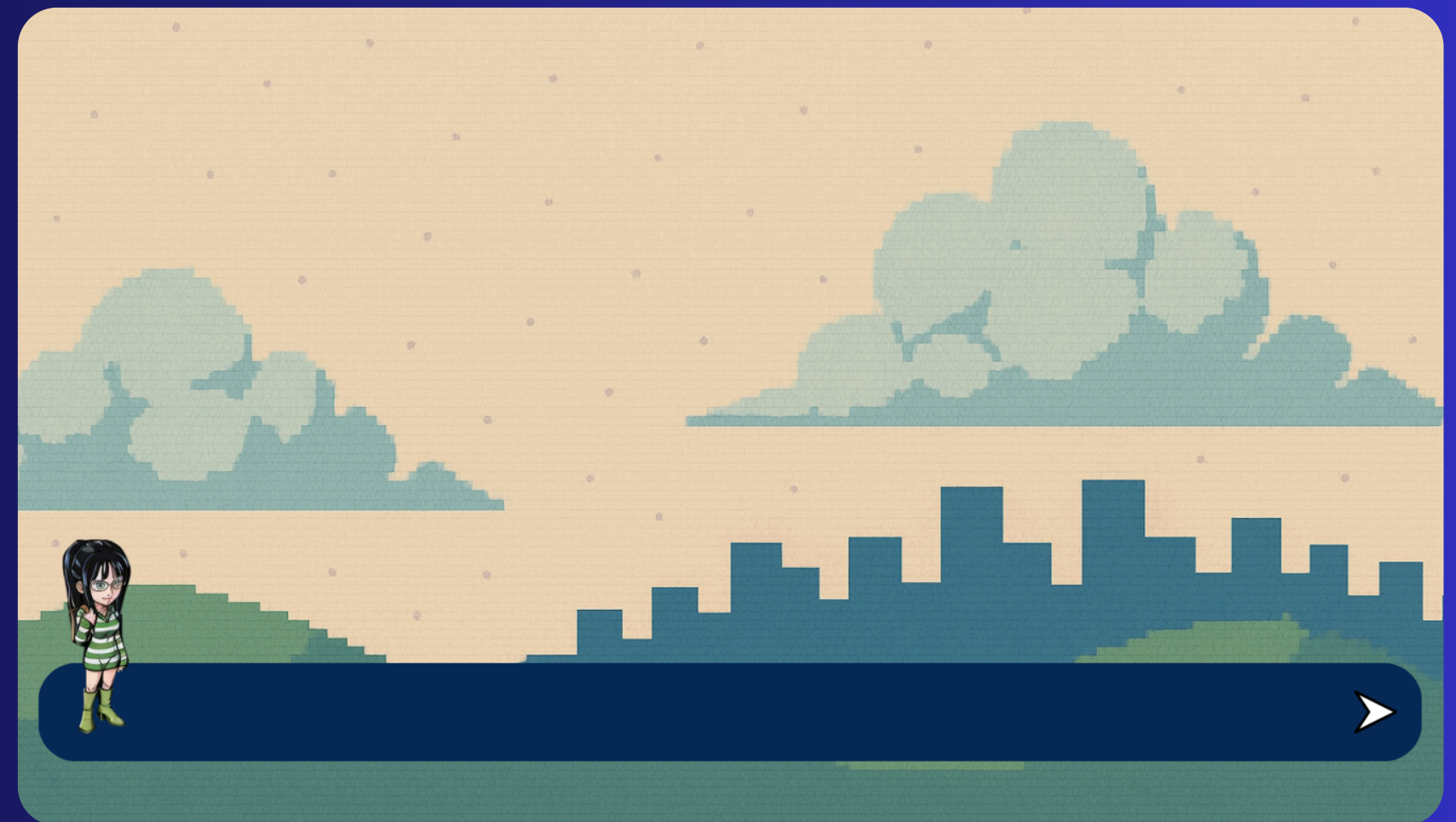
A speech bubble interface allows smooth, story-like conversation with the bot. It bridges functionality with fun, making financial literacy more approachable and enjoyable.

## 2) 🎨 Gamified Login Interface

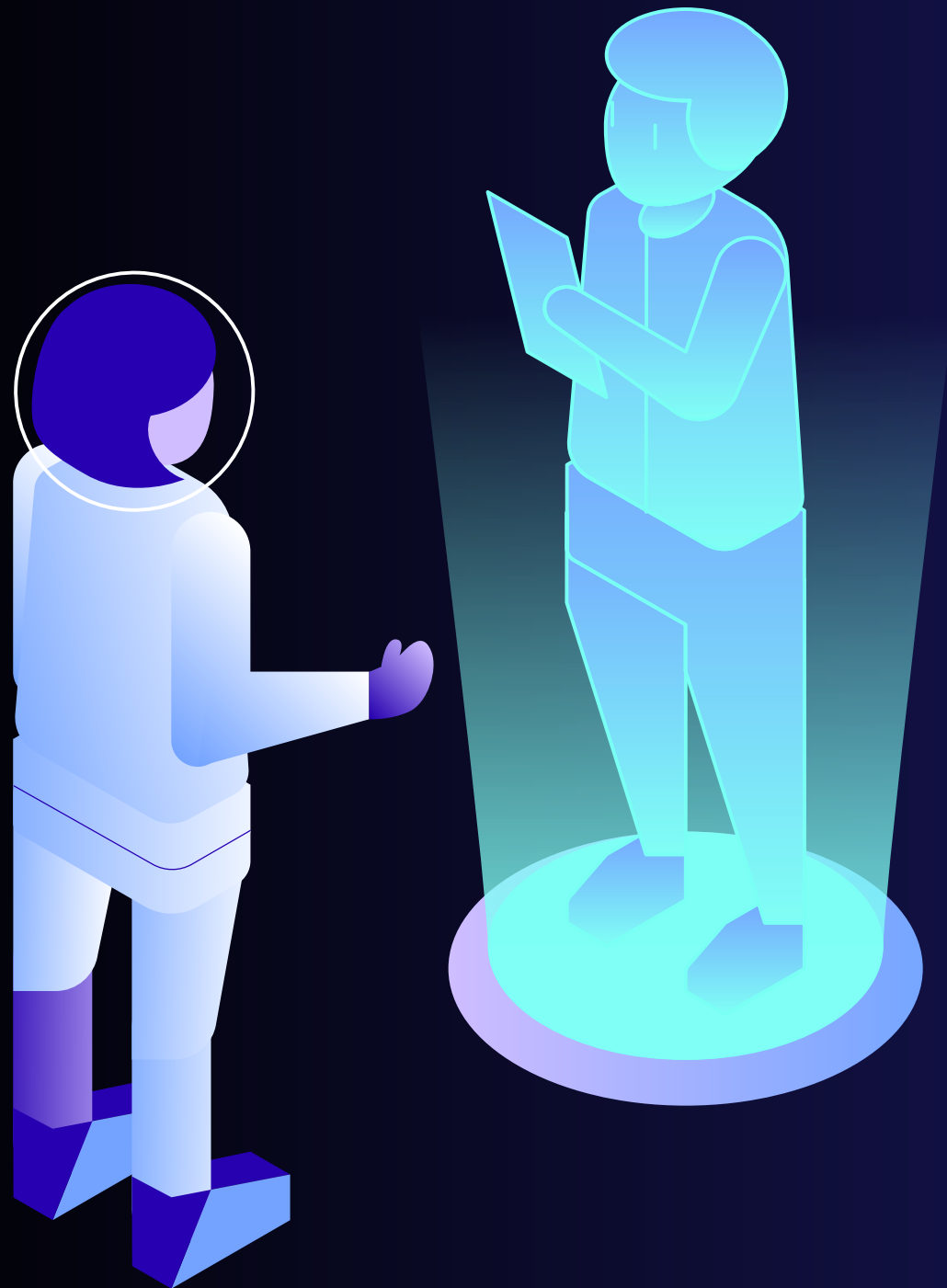
This animated login screen combines humor with functionality using a dynamic cartoon mascot.

The playful prompt "Enter Your Mail" adds a light-hearted, engaging vibe for users.

This design enhances user experience by making onboarding fun and memorable.



# FUTURE INNOVATIONS



## 1. VOICE-BASED INTERACTION :

Feature: Enable students to talk to the chatbot using speech instead of typing.

Tech Stack: Integrate with speech-to-text APIs (like Google Speech API or Whisper by OpenAI) + TTS for replies.

Why It's Futuristic: It mimics a real financial assistant and enhances accessibility for visually impaired users or students on-the-go.

## 2. AI-POWERED SPENDING PREDICTIONS & ALERTS :

Feature: Predict future expenses based on habits (e.g., "You're likely to spend ₹1,200 next month on travel") and send smart alerts (e.g., "⚠️ You're about to exceed your food budget!")

Tech Stack: Time-series models (Prophet / LSTM) + pattern recognition.

Why It's Futuristic: Transforms your app from reactive (tracking) to proactive (advising and warning).

## 3. BANK ACCOUNT & UPI INTEGRATION :

Feature: Securely link with student's bank accounts or UPI apps to automatically track transactions and categorize them.

Tech Stack: Use APIs from services like Plaid, Finbox, or Setu (India-based) with proper data privacy.

Why It's Futuristic: Eliminates manual input and builds a real-time, smart finance companion — fully personalized.

# MEET THE TEAM

- Rahul Banyala
  - Himanshu Kumar Singh
  - Tilak Popat
  - Khush Upadhyay
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# THANK YOU



**FundMate**  
AI POWERED FUNDS MANAGEMENT