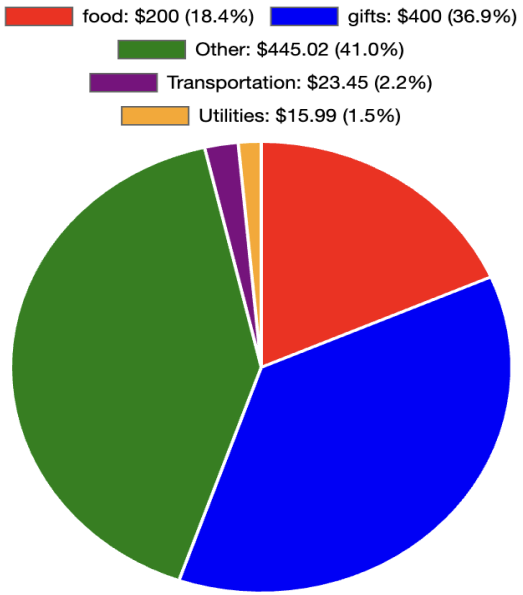


FinTrack

Track Finances Like You're Chatting!

By Nidhi

What is FinTrack?

Project Overview

FinTrack is a web application that enables expense tracking through:

- Natural language input ("had $50 dinner" → automatically categorized)
- AI-powered insights and categorization
- Intuitive visualization of spending patterns
- Seamless user experience with minimal friction

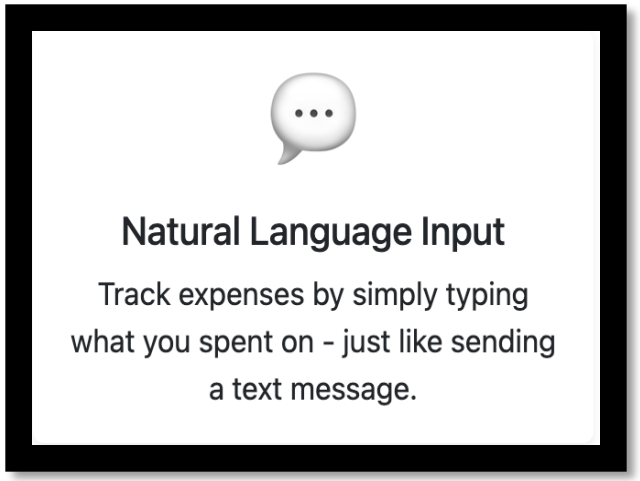
Problem Solved: Traditional finance apps require tedious form-filling and manual categorization, leading to user abandonment.

What is FinTrack?

FinTrack is a web app for individuals and small businesses to track income, expenses, and budgets. It uniquely allows users to input transactions in natural language (e.g., "had $50 dinner"), leveraging Google Gemini for seamless processing. Features include interactive financial insights, expense categorization, and real-time visualizations.

The application includes features for user management, expense categorization, and real-time insights.

Novelty- The Talking Point



Natural language

The key novelty of FinTrack lies in its ability to **input data in natural language (text)**

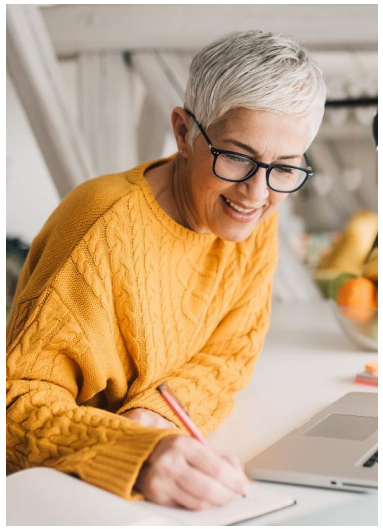
Smart Insights

View trends and get smart personalized suggestions to save

Automatic Categorization

It will automatically categorize your spending

Utility and Target Users



Individuals

To manage finances

It provides a platform to **gain real-time insights into their financial habits** through interactive charts and visualizations

Small Businesses

To keep track of cash flow

By tracking income, expenses, and budgets, users can make **informed financial decisions**

Key Features

- Natural Language Input
- Interactive Dashboard
- AI-Driven Insights
- Categorization of Expenses
- Bulk Upload

Tech Stack

Front-end

Bootstrap 5
EJS templating

Backend

Node.js
Express.js

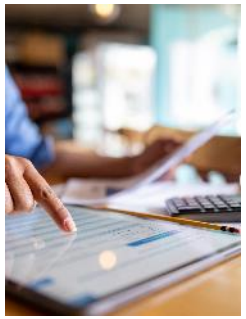
Database

MongoDB (NoSQL)

AI Integration

Google’s Gemini API for
- Natural language processing
-Expense categorization
-Personalized insights
-CSV data processing

Development Challenges



Technical Challenges:

-AI Response Consistency
-Database Structure

User Experience Challenges:

-Balancing simplicity with functionality
-Providing meaningful insights from limited data

Key Learnings

- Effective AI integration requires careful prompt design
- MongoDB performance benefits from proper indexing and query optimization
- Agile adaptation to changing requirements is essential

Thank You