

EXPENSE TRACKER APP

(An Online Tool to Help Users Track and Manage Their Daily Expenses)

*Capstone – I project report submitted
By the student of
Hybrid UG program in Computer Science & DataAnalytics*

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Decalaration

I hereby declare that this submission is my own work and that, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which to a substantial extent has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgement has been made in the text.

Date: 18 APRIL 2024

Name: Md Adnanul Haque
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Signature: 

***UPDATED PROJECT PROGRESS**

Right now, our web app works based on the budget set by the user. The user manually enters a monthly budget, and the app tracks expenses according to that. It updates the remaining balance and shows spending category-wise.

We've also improved the UI/UX a lot — the current design is high-fidelity, clean, and easy to use.

Future Goal: We plan to turn this into a full-fledged expense tracker that:

Connects with the user's bank account.

Automatically sets smart budgets.

Supports UPI payments.

Tracks account balance in real-time.

***SUMMARY OF OUR PROJECT JOURNEY. :-**

How It Started:

Our idea came from a common issue — managing personal finances. Many students struggle to track where their money goes. So, we decided to build a simple tool to help track daily expenses within a defined budget.

Progress So Far:

We began with brainstorming sessions and task division. The team designed the app interface, created the logo, and started building core features. Despite challenges in connecting frontend to backend, we overcame them through regular team collaboration. The app is now functioning based on the user's input budget, with a clean and modern UI.

***GROUP MEMBERS CONTRIBUTIONS :-**

Md Adnanul Haque: Created the logo and UI mockups, developed the homepage and frontend, and integrated frontend with backend.

Kumar Achintya: Developed backend logic using Flask and implemented database functions with SQLite.

Anand Adarsh: Handled category filtering and dynamic updates for summaries.

Divya Adarsh: Helped in form structure and page layouts, and worked on validations.

Arnav Aditya: Managed the GitHub repository, version control, and documented the codebase.

*** CHAPTERS TO BE INCLUDED :-**

CH1 – Introduction

Managing personal expenses is a challenge for many people, especially students. Our Expense Tracker App aims to solve this by providing a simple and efficient way to record, monitor, and manage daily spending.

CH2 – Identified Problem

Many people are unaware of their spending habits and often go over budget. There is a need for a digital tool that helps track expenses easily and keeps users within their limits.

CH3 – Proposed Solution

Our solution is a web app that:

Allows users to set a monthly budget

Adds and categorizes expenses

Tracks total spending and remaining balance

Plans to include bank account integration, UPI support, and auto-budgeting in the future

CH4 – Learnings

Technical Learnings:

Frontend development (HTML, CSS, JS)

Backend using Flask (Python)

SQLite database integration

Version control with Git and GitHub

Managerial Learnings:

Task delegation and time management

Team coordination

Debugging and peer feedback

UI/UX design thinking

CH5 – Conclusion & Future Work

We have successfully created a basic budget-based expense tracker. The current version works well for manual entries and helps users monitor their expenses.

Next Steps:

Add login system and cloud storage

Link app with user's bank account

Enable UPI payments

Build smart budgeting system

Launch responsive mobile version

RESOURCES:

. GOOGLE PLAY STORE EXPENSE TRACKER APPS

. ONLINE BLOGS AND ARTICLES ON BUDGETING

. FLASK AND SQLITE DOCUMENTATION