

Deccan Education Society's
Fergusson College (Autonomous), Pune
Department of Computer Science

A

**Report
on**

“FinTrack- Expense Tracker”

In partial fulfillment of Post Graduate course

in

M.Sc. Computer Science – I

(Semester -II)

2024-2025

CSC-570 Practical III

SUBMITTED BY

Pare Prajakta Prabhakar (246249)

Pasalkar Vaibhavi Sanjay (246260)

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1) Case Study description

i) Introduction

FinTrack is a smart money-tracking app that makes managing your expenses easy. It helps you:

- Record your daily spending
- See where your money goes with clear charts
- Get useful tips to save better
- Check reports to understand your habits

Think of it as a personal finance assistant that keeps your budget on track with a simple, user-friendly design.

ii) Key Objectives of FinTrack

FinTrack is designed to make money management effortless and effective by helping you:

- Track expenses in seconds – Log purchases fast with a clean, no-fuss interface
- Understand spending patterns – Interactive charts show where your money goes each month
- Control your budget – Get smart alerts before you overspend
- Stay motivated – Earn achievements for good money habits
- Plan smarter – Forecast future spending based on your history
- Save effortlessly – Get personalized tips to reduce unnecessary expenses remove correct tick

iii) Component Architecture:

❖ User Interface

- Dashboard (spending overview)
- Expense Entry Form (Custom & Default)
- Reports (charts/graphs, CSV, PDF)

❖ Function Modules

- Transaction Manager (add/edit/delete)
- Budget Tracker (limits/alerts)
- Analytics Engine (spending insights)

❖ Data Handling

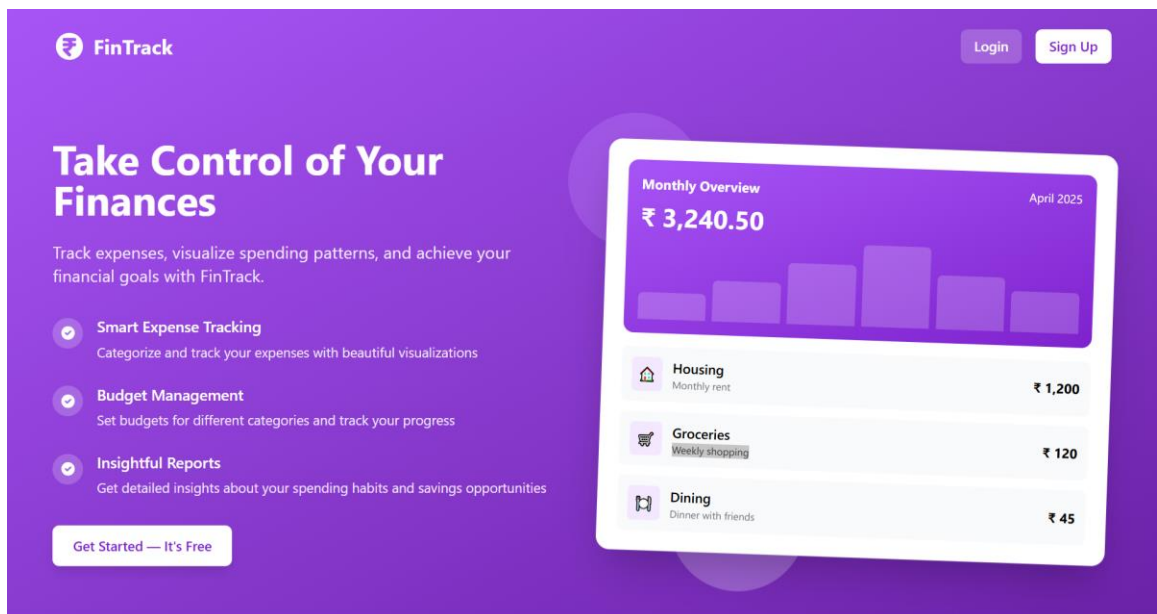
- Local Storage (offline access)

iv) Tech Stack:

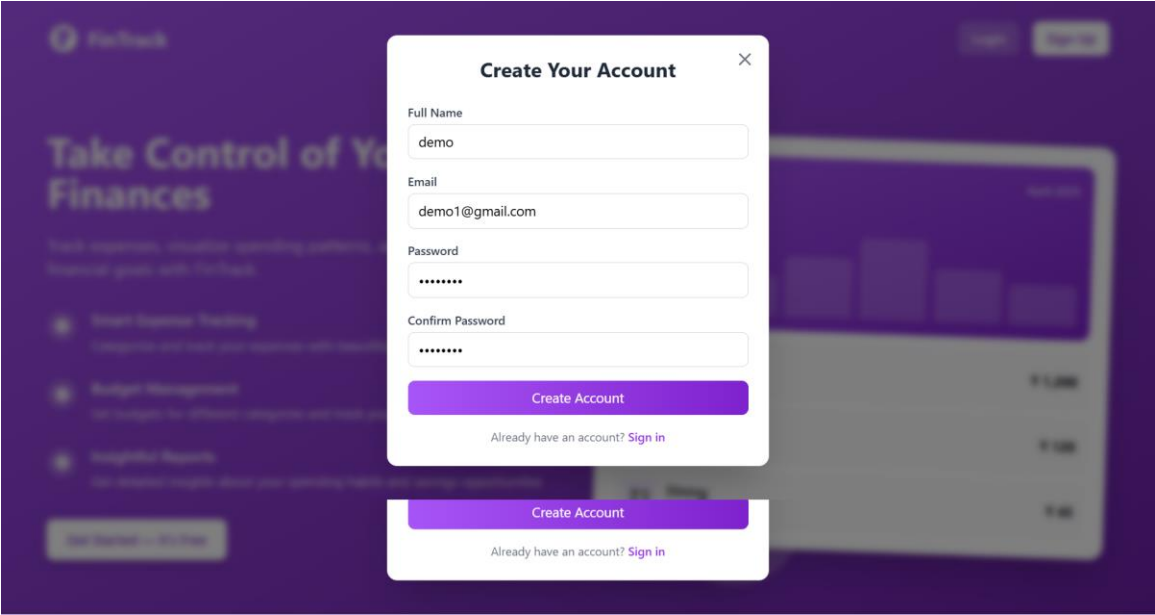
1. React + Vite (Frontend Framework)
2. Tailwind CSS (Styling)
3. HTML5 Canvas (Visualizations)

2) Screenshots

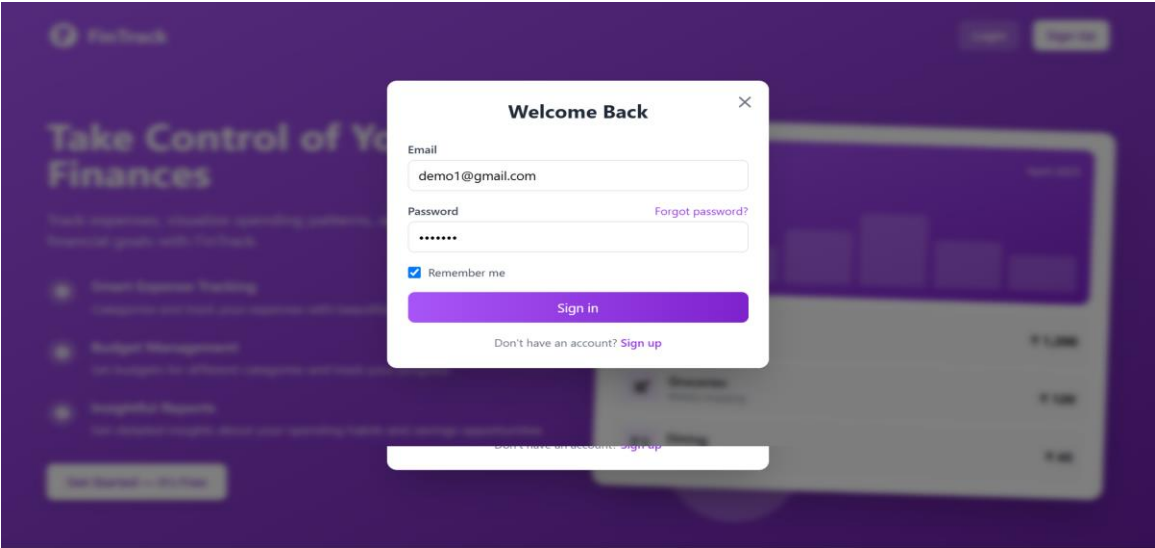
1. Landing Page



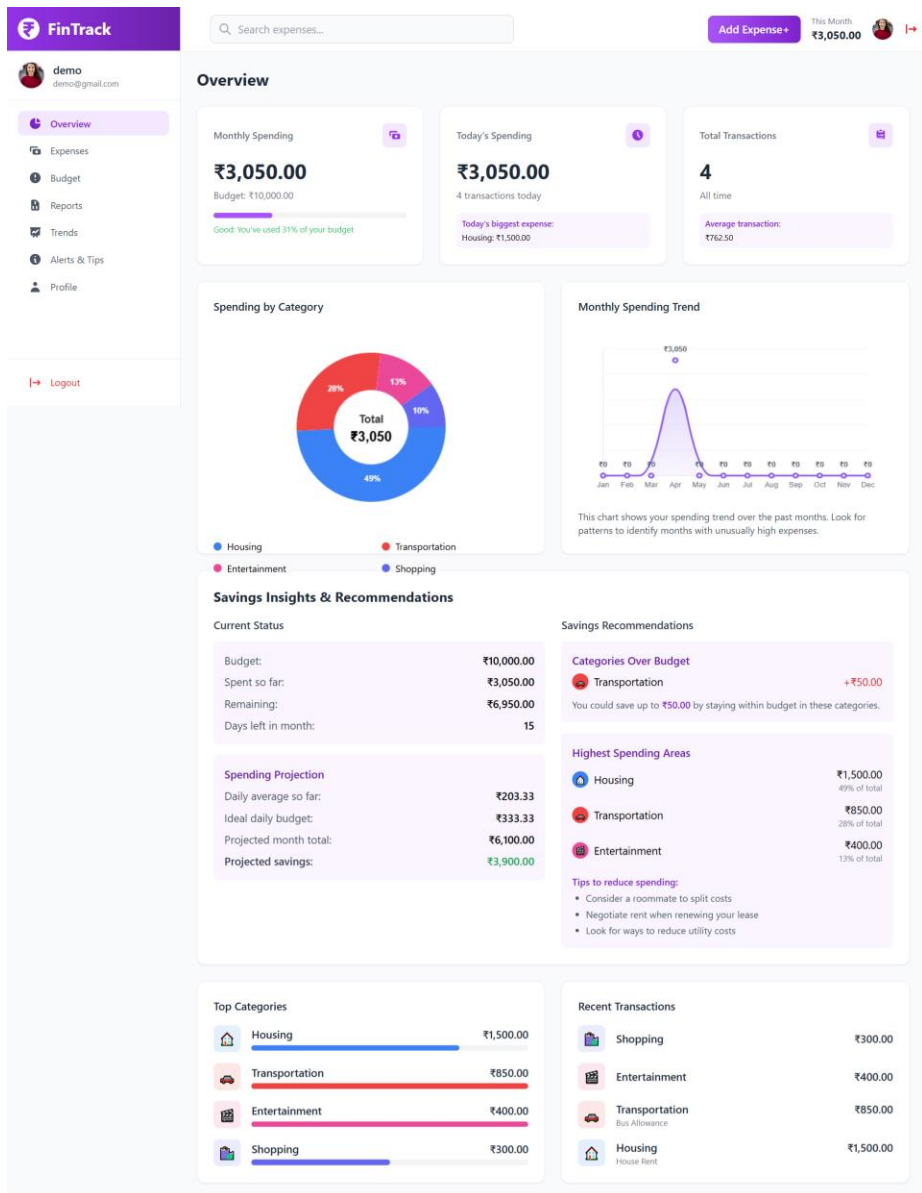
2. Sign Up Page



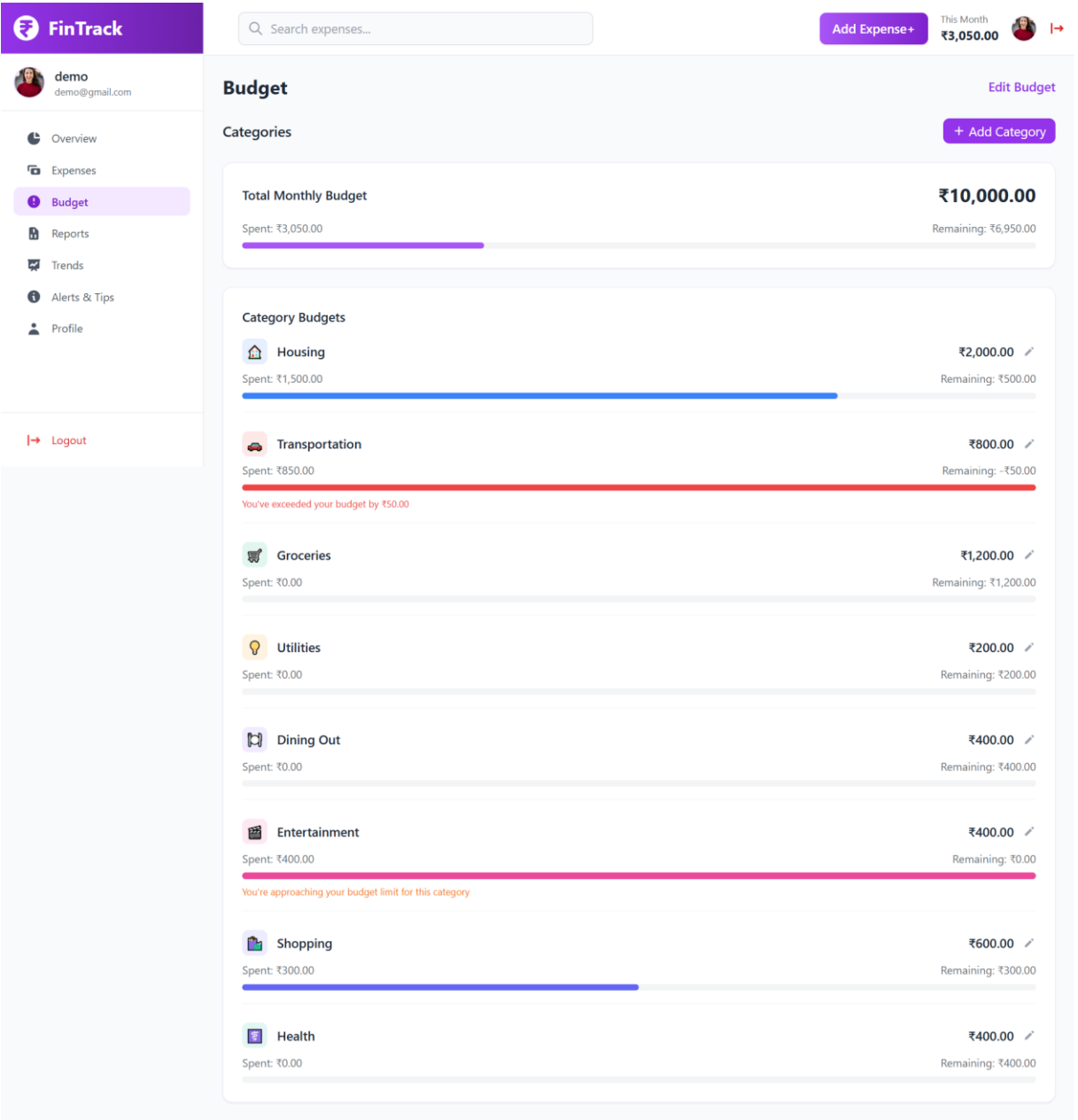
3. Sign In Page



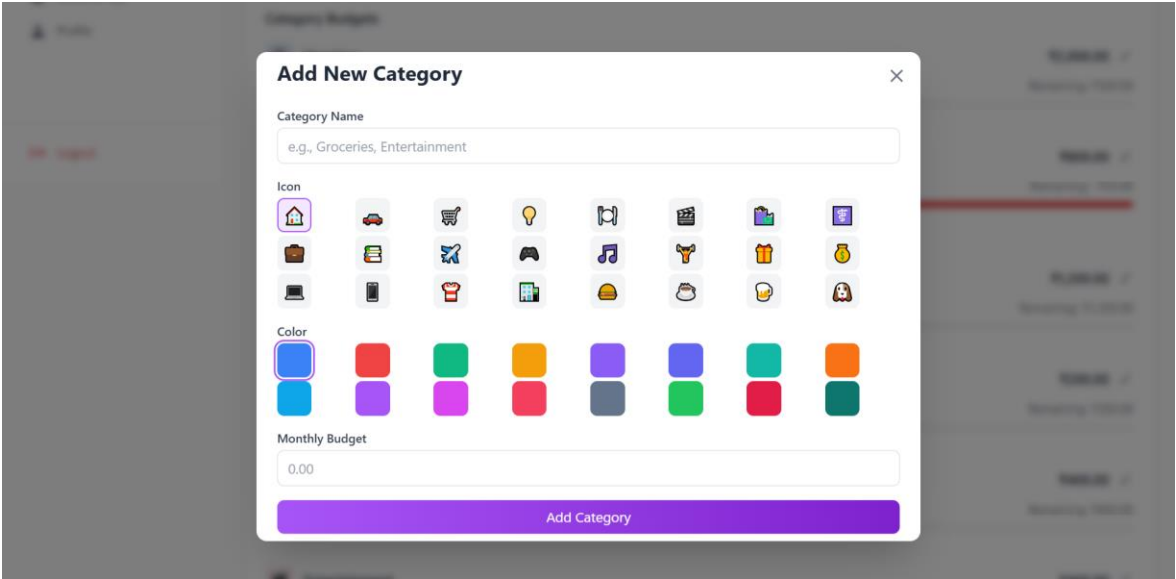
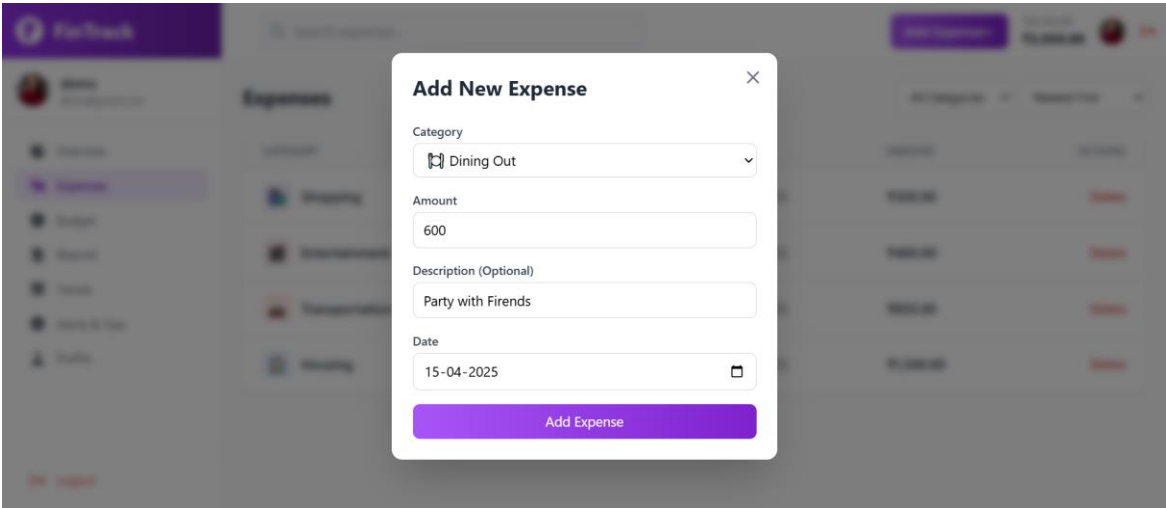
4. Dash-Board




5. Budget




6. Add Expense



7. Expense Log



**demo**
demo@gmail.com

Overview

Expenses

Budget

Reports

Trends

Alerts & Tips

Profile






[Logout](#)

Search expenses...


Add Expense+ This Month **₹3,650.00**


Expenses

All Categories Newest First

CATEGORY	DESCRIPTION	DATE	AMOUNT	ACTIONS
 Dining Out	Party with Firends	Apr 15, 2025	₹600.00	Delete
 Shopping	-	Apr 15, 2025	₹300.00	Delete
 Entertainment	-	Apr 15, 2025	₹400.00	Delete
 Transportation	Bus Allowance	Apr 15, 2025	₹850.00	Delete
 Housing	House Rent	Apr 15, 2025	₹1,500.00	Delete

8. Expense Tips and Alerts



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Search expenses...

Add Expense+ This Month **₹3,650.00**

Spending Alerts & Tips

Show All Tips

 **Transportation Over Budget**
You've exceeded your Transportation budget by ₹50.00.

 **Dining Out Over Budget**
You've exceeded your Dining Out budget by ₹200.00.

Financial Tips

50/30/20 Budget Rule
Try allocating 50% of your income to needs, 30% to wants, and 20% to savings and debt repayment.

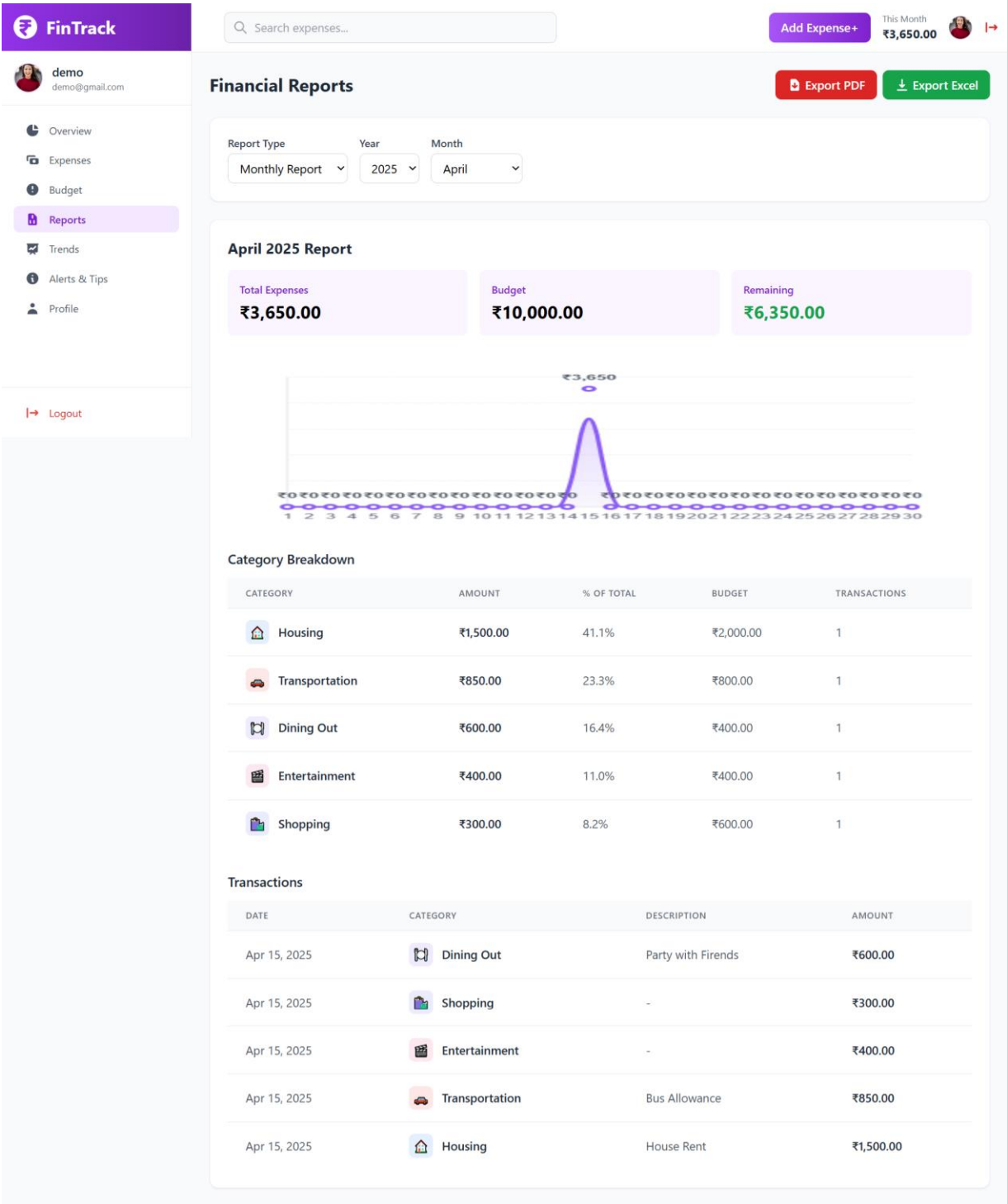
Track Every Expense
Make it a habit to record all expenses, no matter how small. This helps identify spending patterns and areas for improvement.

Emergency Fund
Aim to save 3-6 months of living expenses in an emergency fund for unexpected situations.

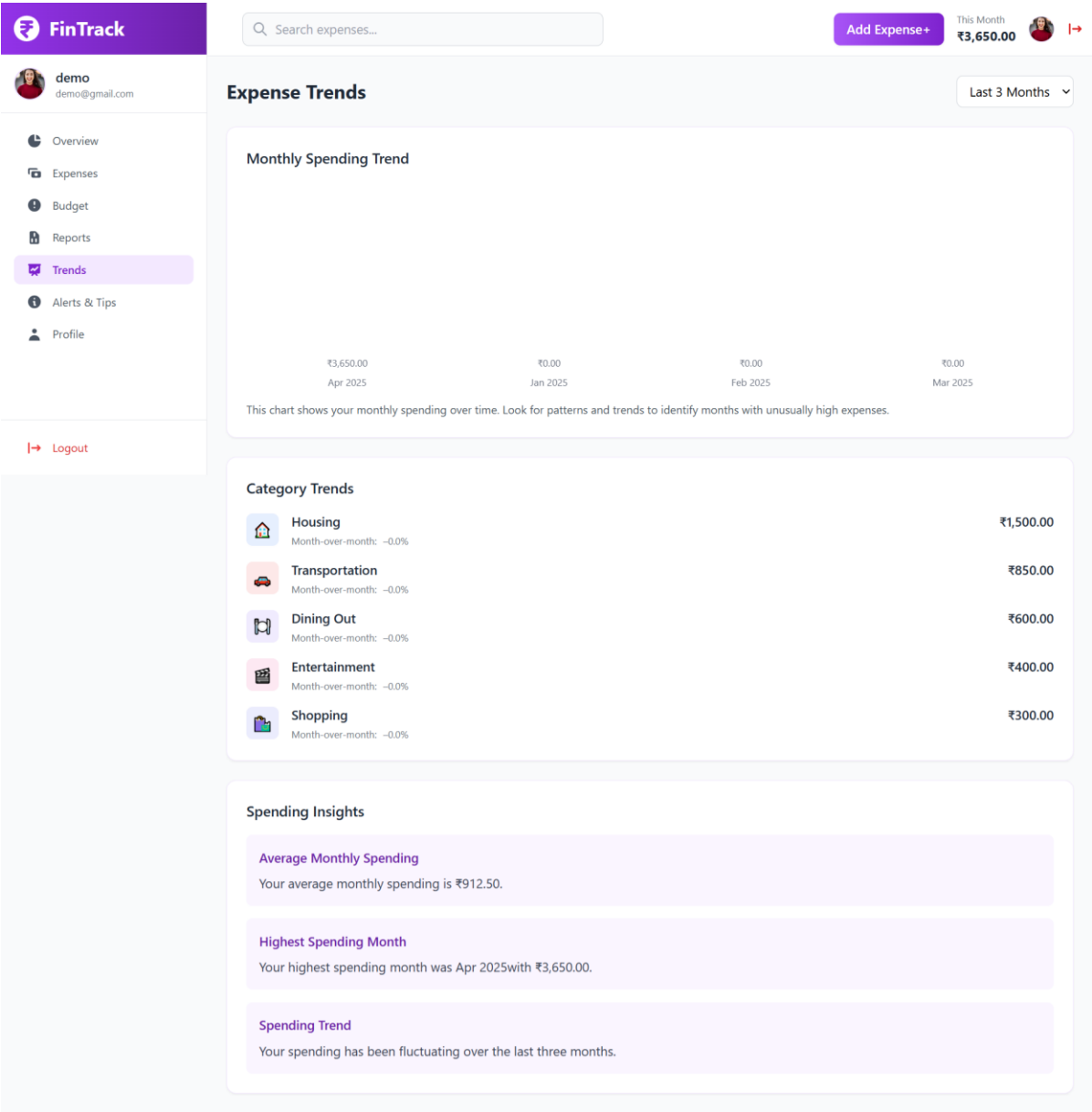
Review Subscriptions
Regularly review your subscriptions and cancel those you don't use frequently. These small recurring charges can add up quickly.

9 | Page

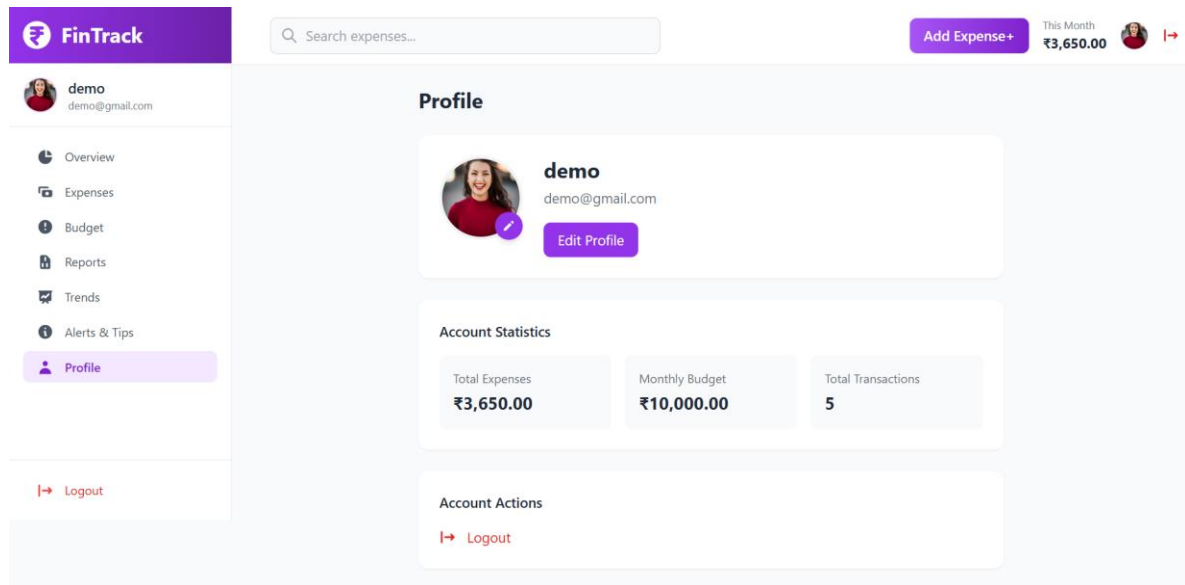
9. Expense Reports



10. Expense Trends



11. Profile Page



3) References

- i) **Tailwind CSS:** <https://tailwindcss.com/>
- ii) **React Documentation:** <https://react.dev/>