■ CodeAlpha Financial Health Dashboard

■ Overview

This project was developed as part of the CodeAlpha internship, showcasing a comprehensive Financial Health Dashboard built using Power BI. It provides actionable insights into personal or organizational financial performance through interactive visualizations and calculated metrics. The dashboard aims to simplify financial data interpretation, allowing both individuals and businesses to make more informed decisions based on clear visual patterns and custom calculations.

■ Key Features

1. Income, Expense, Savings & Debt Analysis
2. Dynamic Filters & Slicers for time-based exploration
3. Custom DAX Measures to calculate Net Worth, Savings Rate, and Monthly Trends
4. Clean UI Design with tooltips, color consistency, and intuitive layout
5. KPI Cards & Charts for quick decision-making
6. Automated data refresh for real-time monitoring (if connected with live sources)
7. Export and sharing features for stakeholders

■ Tools & Technologies

1. Power BI – for data modeling, visualization, and dashboard design
2. DAX (Data Analysis Expressions) – for creating business logic and KPIs
3. Excel – for preprocessing, cleaning, and transforming raw data
4. GitHub – for version control, collaboration, and documentation
5. Microsoft Power Query – for data transformation and integration

■ Impact

This dashboard empowers users to monitor financial health, identify spending patterns, and make informed budgeting decisions. It reflects strong skills in data visualization, business logic, and user-centric design. Additionally, by using interactive visuals and DAX-powered calculations, users can drill down into specific time periods, compare income vs. expenses, and track progress towards financial goals such as debt reduction or savings growth. The project also highlights the integration of modern business intelligence tools to create solutions that are scalable, insightful, and practical for real-world use cases.

This project serves as a practical demonstration of financial data management and visualization, reinforcing the importance of analytical thinking, design consistency, and effective communication in dashboard development.