CreditWise

A Web-Based Platform for Credit Awareness, Loan Eligibility & Financial Inclusion

1. Introduction

In today's world, access to credit plays a major role in shaping an individual's financial journey. Whether it is taking an education loan, buying a home, or managing personal expenses, credit decisions directly impact economic stability and growth. However, many people—especially students, first-time earners, and underserved individuals—often find credit systems confusing and intimidating.

Most users do not clearly understand what a credit score represents, how loan eligibility is calculated, or how EMIs affect long-term repayment. As a result, they either avoid formal credit systems or make uninformed borrowing decisions.

CreditPath is designed to address this gap. It is a simple, educational, web-based platform that helps users understand their credit health, explore loan eligibility, and compare loan options using simulated data. The platform focuses on clarity, accessibility, and inclusion rather than complex financial jargon.

2. Problem Statement

A large section of the population lacks basic financial awareness related to credit and loans. First-time borrowers and individuals from underserved backgrounds often face challenges such as: - Not knowing how credit scores are calculated - Being unsure about their loan eligibility - Difficulty understanding EMI structures and interest impact - Inability to compare loan options effectively

This lack of understanding creates hesitation, loan rejections, and financial stress, ultimately widening economic inequality. There is a strong need for a platform that explains credit concepts in a simple, user-friendly manner.

3. Objectives

The primary goal of CreditPath is to make credit-related information easy to understand and accessible to everyone. The key objectives include: - Helping users understand their credit health through simulated credit scores - Providing clear and simple loan eligibility checks - Enabling users to calculate EMIs and understand total repayment - Allowing comparison of loan options to support better decision-making - Promoting responsible borrowing and financial inclusion

4. SDG Mapping

This project aligns with the following United Nations Sustainable Development Goals:

SDG 8 – Decent Work and Economic Growth

- Encourages informed financial decisions
- Supports responsible borrowing and repayment planning
- Helps users maintain financial stability

SDG 10 – Reduced Inequalities

- Educates first-time and underserved borrowers
- Simplifies access to credit knowledge
- Reduces information asymmetry in financial systems

5. System Overview

CreditPath is a web-based application that guides users step by step through the basics of credit and loans. Users begin by entering simple financial details, after which the system provides insights through an easy-to-read dashboard.

The platform does not rely on real bank or credit bureau data. Instead, it uses simulated values and rule-based logic to demonstrate how credit scores, loan eligibility, and EMI calculations generally work. This approach allows users to learn without risk while building confidence in financial decision-making.

6. Workflow

The workflow of CreditPath is designed to be simple and intuitive:

1. The user enters basic financial details such as income, expenses, and loan requirements
2. The system generates a simulated credit score based on these inputs
3. Loan eligibility is checked using predefined, transparent rules
4. EMI and total repayment amounts are calculated
5. Loan options are compared visually on the dashboard
6. The user receives basic guidance to understand and improve their credit health

7. Key Modules

7.1 User Financial Profile

- Monthly income
- Monthly expenses
- Loan amount
- Loan tenure

This information is used to generate a financial snapshot of the user.

7.2 Credit Score Simulation

A mock credit score is generated using rule-based logic such as: - Income vs expenses ratio - EMI burden

The score is displayed along with its category (Poor, Fair, Good, Excellent) and a monthly trend chart.

7.3 Loan Eligibility Checker

The system checks eligibility based on: - Credit score threshold - EMI-to-income ratio - Basic age and income assumptions

The result is displayed as Eligible or Not Eligible with a simple explanation.

7.4 EMI Calculator

The EMI calculator allows users to: - Enter loan amount, interest rate, and tenure - View monthly EMI - View total interest and total repayment

7.5 Loan Comparison Dashboard

Users can compare multiple loan options based on: - Interest rate - Monthly EMI - Loan tenure - Total repayment amount

This helps users select the most affordable option.

9. Current Status (50% Prototype)

At the current stage, the following features are implemented: - User input form - Simulated credit score generation - Basic loan eligibility check - EMI calculation - Dashboard with charts and comparison table

10. Future Scope

- Integration with real credit bureau APIs
- Secure user authentication
- Backend database support
- Advanced analytics and personalised recommendations
- Mobile application support

11. Conclusion

CreditPath is an initiative focused on simplifying complex financial concepts and making credit awareness accessible to all. By using simulated data, visual dashboards, and clear

explanations, the platform helps users understand their credit position, explore loan options, and make informed borrowing decisions.

The project emphasizes education, inclusion, and transparency, aligning strongly with the goals of reducing inequality and promoting sustainable economic growth. CreditPath serves as a practical step toward empowering individuals with the knowledge they need to participate confidently in the financial system.

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