Project Proposal

CRED AI

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Submitted to:

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Introduction & Vision

In Pakistan, millions of financially responsible citizens are denied access to credit because they lack formal banking or credit history. CredAI aims to bridge this gap through an AI-driven alternative credit scoring system that evaluates individuals using telecom and utility bill payment data, along with optional document verification for larger loans.

The vision of CredAI is to make financial inclusion fair, fast, and accessible for everyone turning everyday payment behavior into a measure of financial trust.

Competitive Analysis

Existing credit scoring systems like Tasdeeq, SIM-based scoring by telcos, and global services like Credolab and Finicity focus on either traditional bank data or closed partnerships.
CredAI differs by:

Using publicly available alternative data sources (telco and utility behavior).

Introducing a two-tier loan model small loans are approved instantly using AI scoring, while larger loans require document verification.

Targeting unbanked users who use JazzCash, Easypaisa, or mobile top-ups regularly but remain invisible to banks.

This mix of practicality and inclusion gives CredAI a unique social and technical edge.

Technical Approach

CredAI will be developed as a mobile-first software solution supported by a simple admin web dashboard.
The project will focus on:

AI-based credit scoring module that analyzes telco and utility data.

User module for login, profile creation, score viewing, and loan application.

Admin module for manual verification of high-value loans (> PKR 500,000).

For now, mock data will be used instead of real APIs, and the prototype will simulate the loan and scoring process to demonstrate feasibility.

Challenges & Risk Mitigation

Limited access to real telecom/utility APIs:

Use synthetic/mock datasets for simulation while designing the system to plug into APIs later.

Utility bills belonging to landlords (not tenants)

Allow users to mark themselves as tenants and attach optional rent receipts or additional documents plus we can use nadra API for family tree data

Data privacy concerns

Store minimal user information and ensure transparency about how data affects the credit score.

Requirements & Features

User Registration

Simple phone-based sign-up with CNIC and income details.

Credit Score Generator

AI algorithm assigns a dynamic credit score (0–850) based on telco and utility data.

Loan Application Flow

Two tiers: automated loans ≤ PKR 500k and document-verified loans > PKR 500k.

Document Upload

Users can upload bills, rent agreements, or salary slips for manual review.

Admin Review Panel

Allows verification of uploaded documents and final loan approval.

Score Insights

Displays reasons for score changes (e.g., “On-time bill +20, late payment –30”).

7. **Project Plan**

Modular Breakdown by Iteration

Iteration	Duration	Modules/Deliverables
Iteration 1	Weeks 1–4	Project proposal, requirement gathering, initial SRS outline.
Iteration 2	Weeks 5–8	Functional and non-functional requirements, use case and UML diagrams.
Iteration 3	Weeks 9–12	Final SRS submission with diagrams, test cases, and refinements.

Team Roles

Member	Role (SDLC Phase)	Duties
Nabeegh	Project Lead / Analyst	Oversees documentation, coordinates iterations, validates requirements.
Ahad	System Designer	Creates UML diagrams, defines functional modules.
Abu Bakar	Documentation Specialist	Compiles SRS, ensures formatting, consistency, and presentation quality.

8. **Conclusion**

CredAI aims to redefine how creditworthiness is measured in Pakistan by combining AI, alternative data, and responsible verification.
By documenting this solution through a professional SRS, our team will demonstrate how requirement engineering can enable inclusive fintech innovation, empowering millions who are currently excluded from the formal credit system.