VISHWANIKETAN'S INSTITUTE OF MANAGEMENT ENTREPRENEURSHIP AND ENGINEERING TECHNOLOGY (VIMEET)

(Affiliated to University of Mumbai/Approved by DTE/AICTE/NAAC at A+ Grade in 1st Cycle)

HACK TO CRACK 2.0

CODE . CREATE . CONQUER

Team Details

- **Team Name :** Coding Knights
- **Team Leader Name :** Soham Chaudhari
- **Team Members :**
  - Karan Bhatia
  - Latish Advani
  - Yash Sharma
- **Problem Statement :** Student Innovation: Crowdfunding Platform

Problem Statement Description

Problem Statement: Intelligent and Secure Crowdfunding

Traditional crowdfunding platforms face challenges in **identifying high-potential startups, ensuring transparency, and optimizing investor decisions**. The lack of intelligent insights and secure verification processes leads to inefficiencies, increased risks, and missed opportunities.

There is a need for an **AI-driven solution** that enhances investment decisions, adapts to market trends, and ensures security through **advanced analytics and automation**. By integrating **AI, blockchain, and NLP**, the platform aims to transform crowdfunding into a **smarter, more transparent, and efficient ecosystem** for investors and startups alike.

Proposed Solution

The **AI-Powered Crowdfunding Platform** helps investors find the right startups by using **AI-driven recommendations** based on investor activity, financial trends, and market potential. A **real-time bidding system** allows startups to set a base price for equity, enabling investors to place live bids, with AI adjusting prices based on demand. An **NLP-powered search** lets investors filter startups using natural language queries based on revenue, profitability, and industry impact. **AI-driven financial analysis** assesses startup risks and growth potential, while **blockchain-based due diligence** ensures transparency. To enhance **security and compliance**, AI verifies investor and startup documents, and anomaly detection flags suspicious activities. **Investor and startup profiling** helps categorize users based on past behavior, dynamically adjusting investment opportunities to market trends.

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Idea Details

✅ AI-Powered Personalized Recommendations

1. Suggests startups based on investor activity, financial trends, and sustainability metrics.
2. Uses reinforcement learning to refine recommendations.

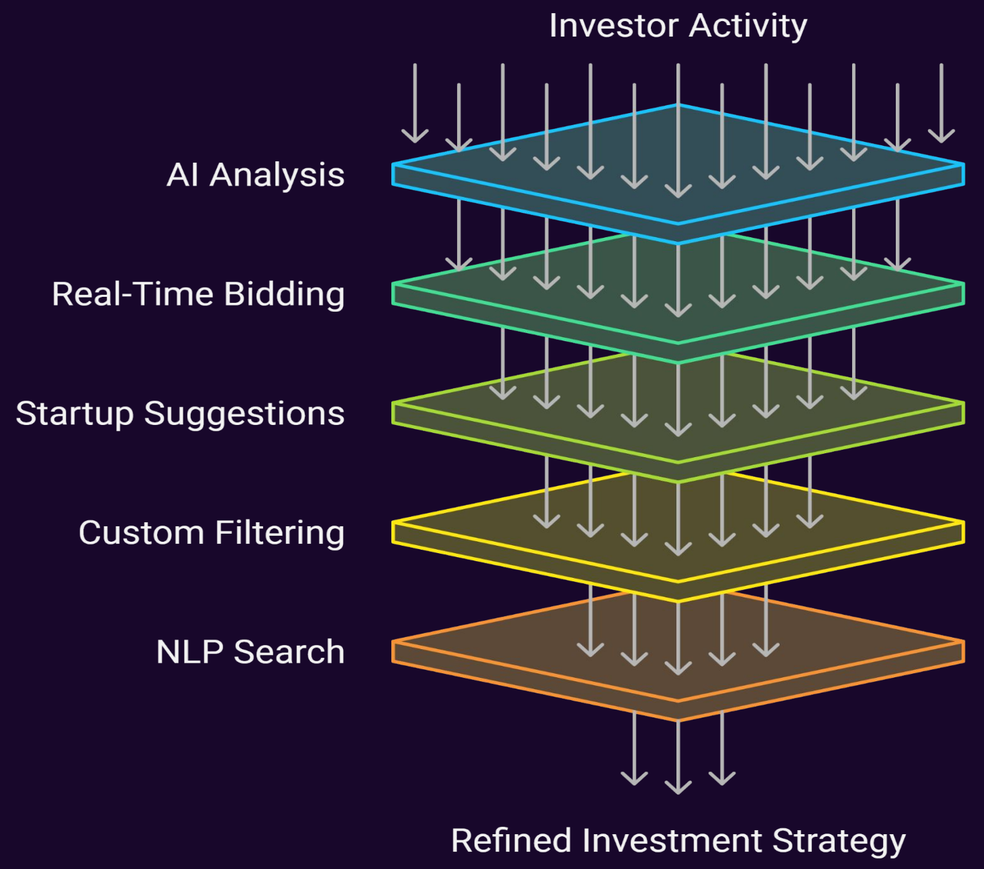
💰 Real-Time Bidding System

1. Startups set a base price for equity; investors participate in dynamic live bidding.
2. AI-driven pricing analysis adjusts bids based on demand.

🔍 Custom Query-Based Filtering

1. NLP-powered query system allows investors to search using natural language.
2. Filters startups by revenue, profitability, and industry sustainability impact.

AI-Driven Investment Refinement



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Idea Details

📊 Advanced Financial & Risk Analysis

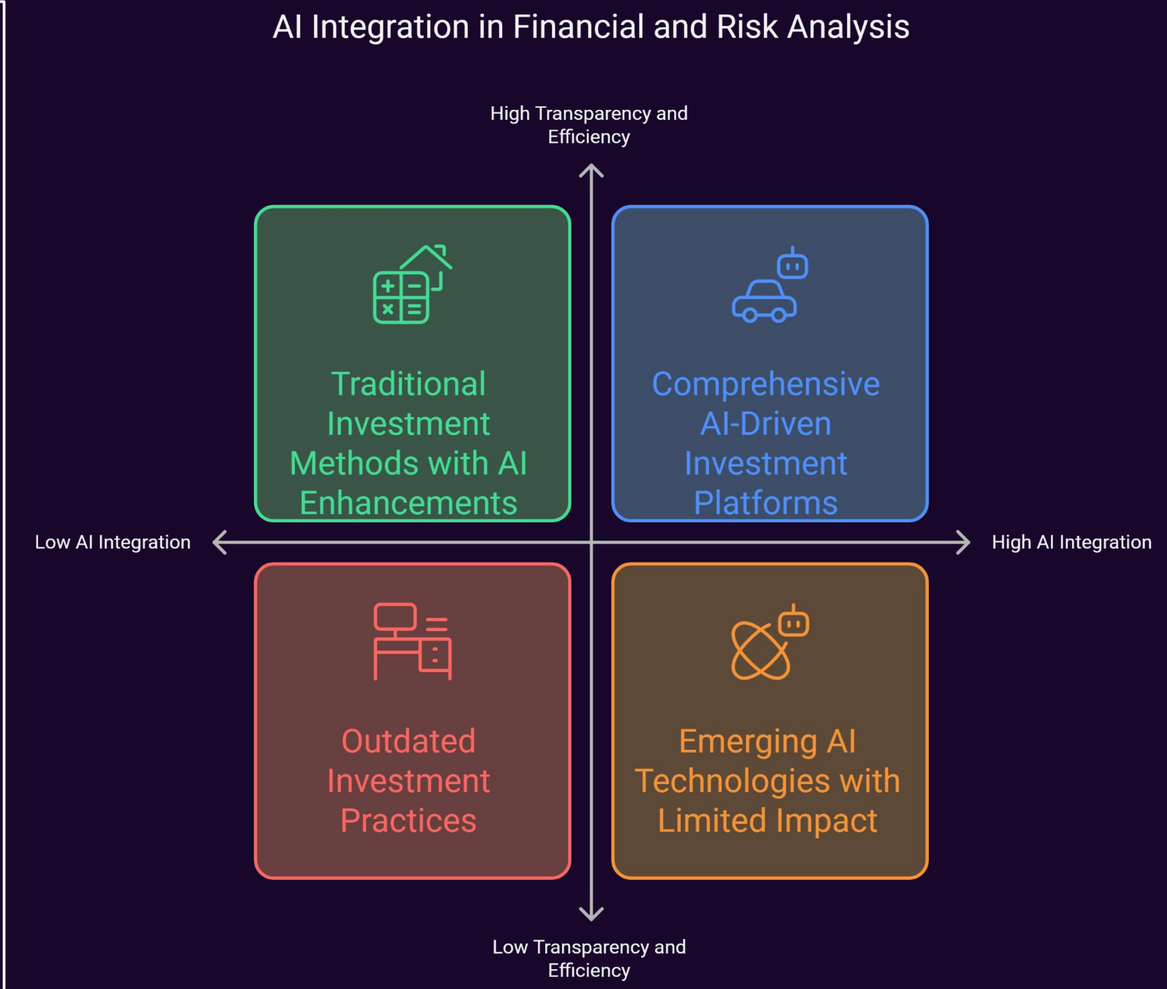
1. AI-driven startup risk scoring and predictive analytics for growth potential.
2. Automated due diligence using smart contracts and blockchain for transparency.

🔐 Security & Compliance

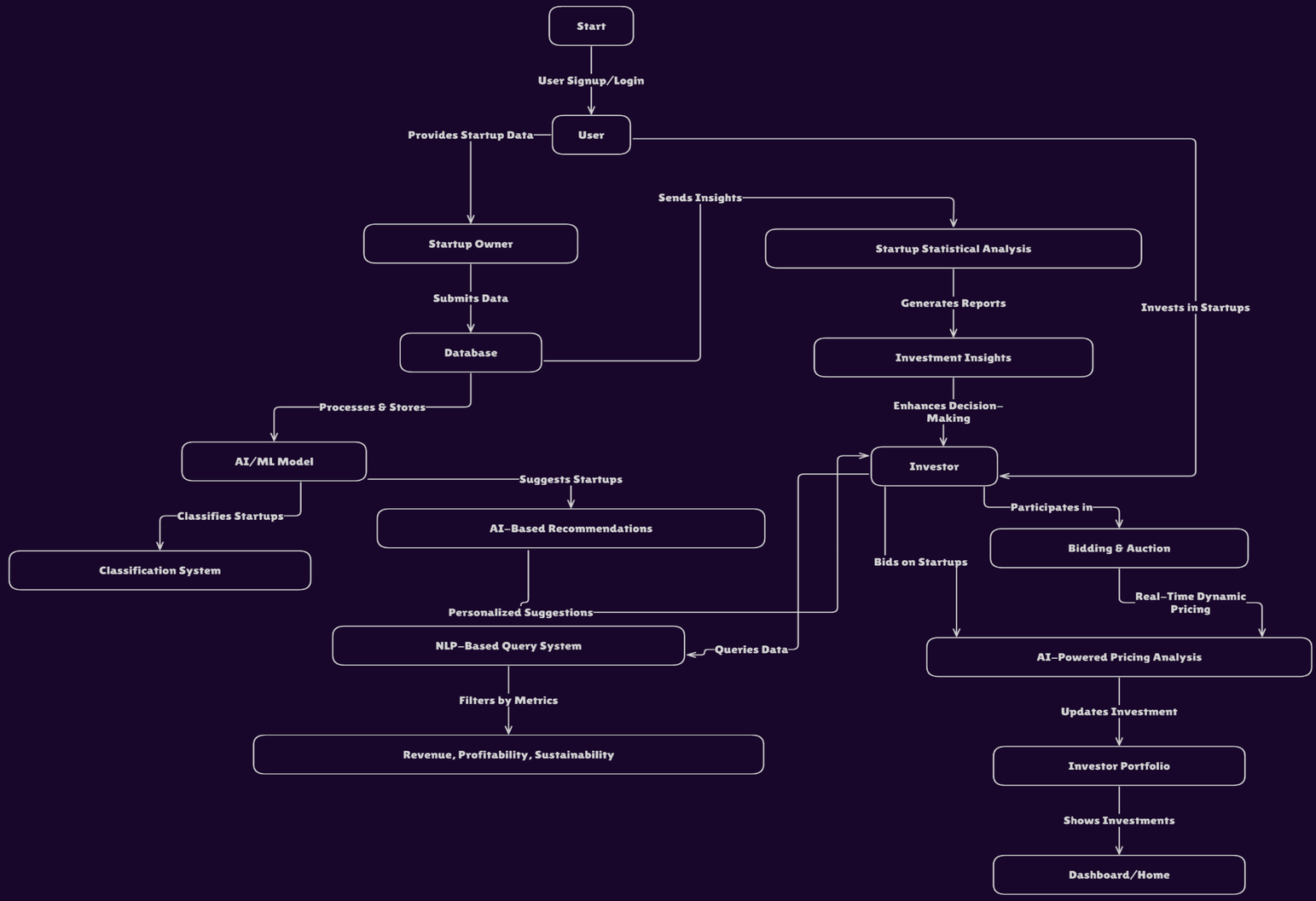
1. AI verifies investor and startup documents (Aadhar, business certificates).
2. Anomaly detection models flag suspicious financial activities and irregular bidding patterns.

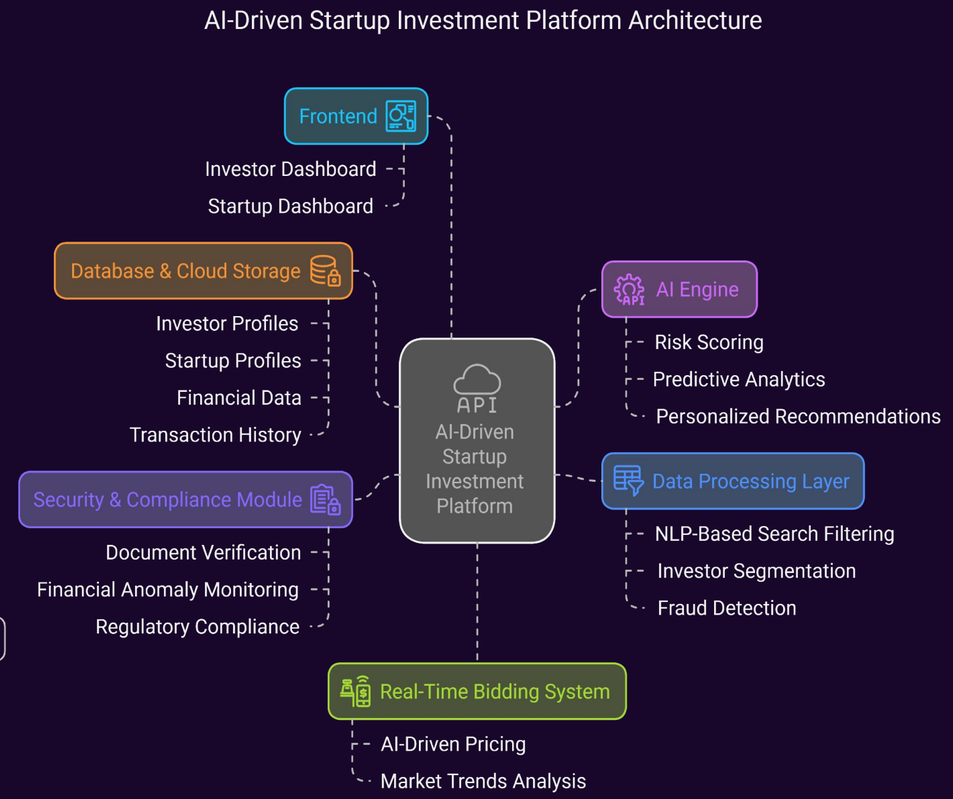
🔴 Investor & Startup Profiling with AI

1. Clustering algorithms segment investors based on past bidding behavior.
2. AI dynamically adapts investment categories based on market trends.



Flowchart / Architecture





Tech Stack Used

AI-Powered Web Application Technology Stack

User interface development using NextJs

Server-side logic with Node.js and Express.js

Data storage and cloud services with MongoDB and Firebase

AI model development using TensorFlow ,Scikit-learn and pytorch

Task management with Celery