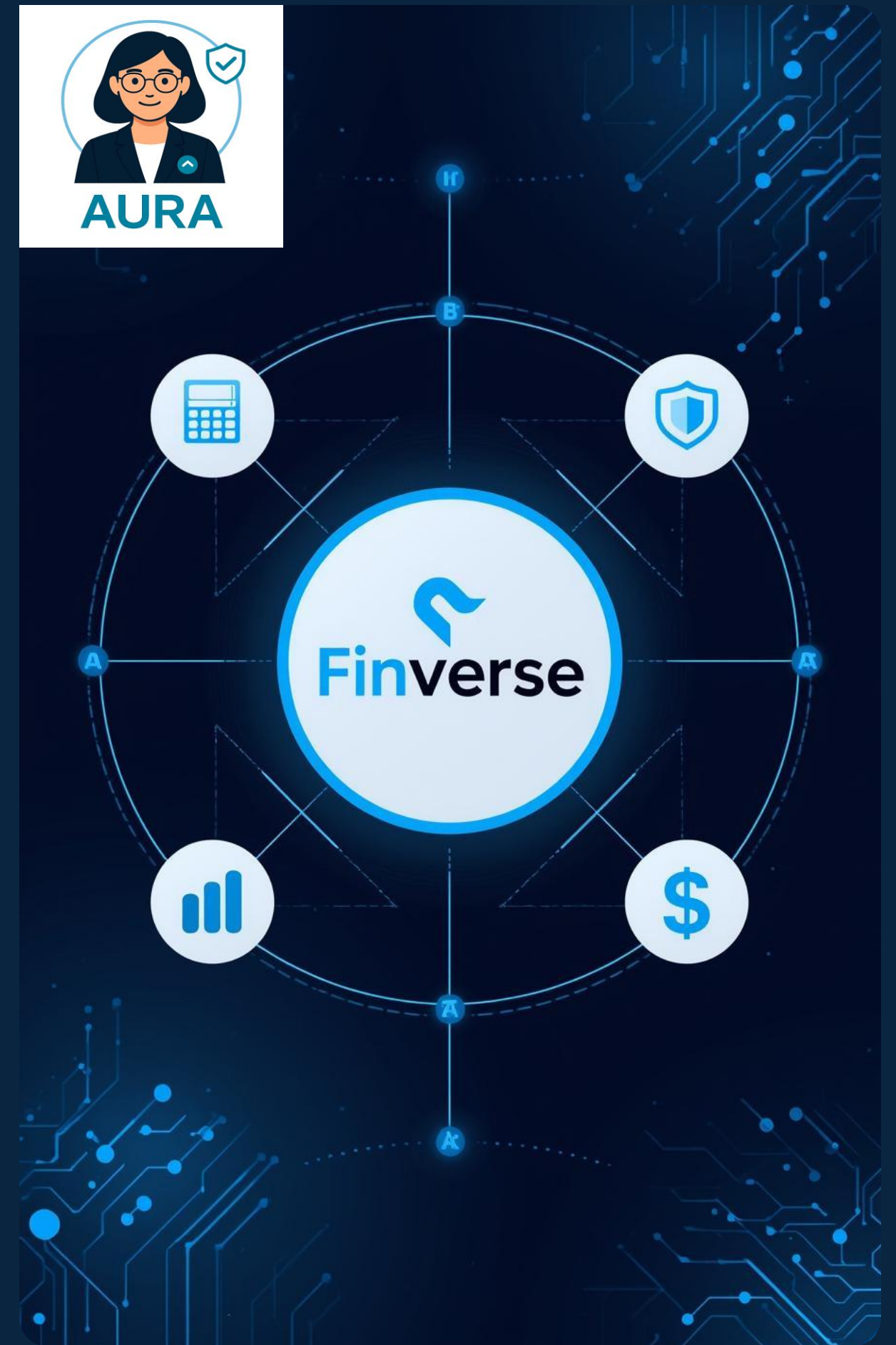
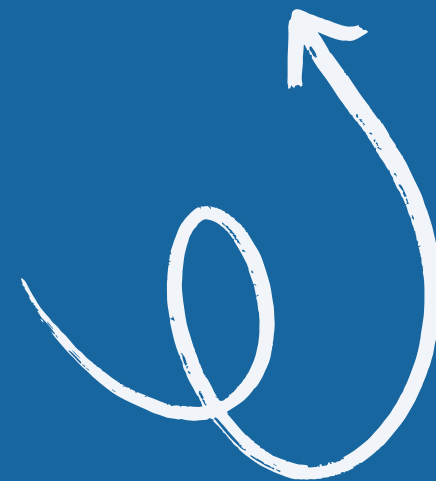


# FinVerse – The AI-Powered Financial Ecosystem

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# Overview

- Financial management is **fragmented** across tax, insurance, and investment tools.
- SMBs spend **excessive time** managing redundant data manually.
- Users face **trust and compliance gaps** with existing solutions.
- FinVerse unifies **tax filing, insurance management, and investment tracking** into one secure AI ecosystem.





# AI Opportunities in FinTech



## Predictive Filing

ML models forecast tax liabilities for users.



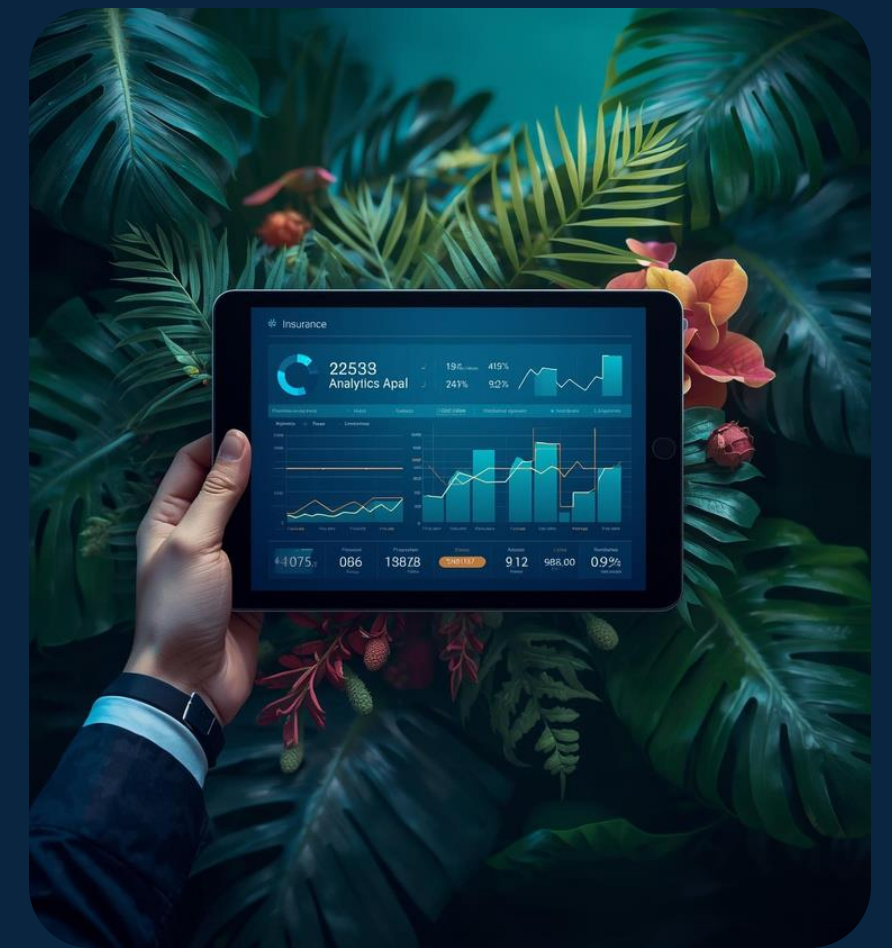
## Investment Recommender

AI analyzes portfolio patterns and sentiment data.



## Fraud Detection

Anomaly detection enhances security in transactions.



## Insurance Optimization

Predictive claims scoring reduces insurance risks.



# Core Purpose

## Simplify Operations



FinVerse streamlines financial processes, Automation enabling **effortless management** for individuals and SMBs alike.

## Ensure Compliance



With FinVerse, regulatory compliance is integrated, creating **trust and accountability** in financial operations.

## Foster Confidence



FinVerse empowers users to make data-driven decisions, enhancing **financial confidence** and growth potential.

# Unified AI-Driven Financial Ecosystem

- Finverse addresses the **disconnect** in traditional financial systems by offering a seamless, integrated solution that simplifies workflows
- It allows users to make **faster decisions** and enhances overall compliance while creating significant value through improved data management and accessibility.



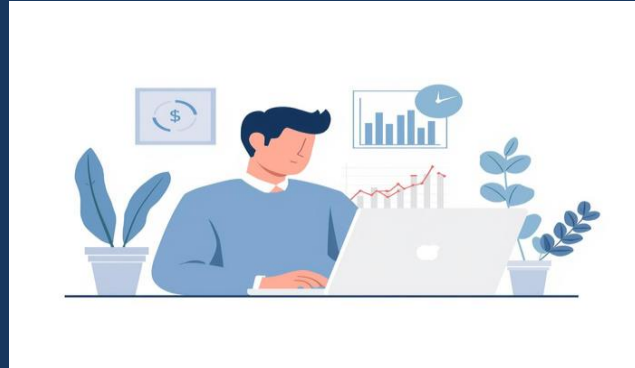


# Value Exchange & Current State

- Current systems are disconnected: users depend on accountants, government portals, and fragmented financial apps.
- Finverse streamlines this by integrating APIs from banking, taxation, and insurance systems into one AI dashboard.
- We create value through:
  - Reduced financial complexity
  - Faster decisions via predictive analytics
  - Improved compliance accuracy through automation



# Core Features & User Benefits



## Efficiency

Streamlines financial tasks, reducing manual efforts significantly.



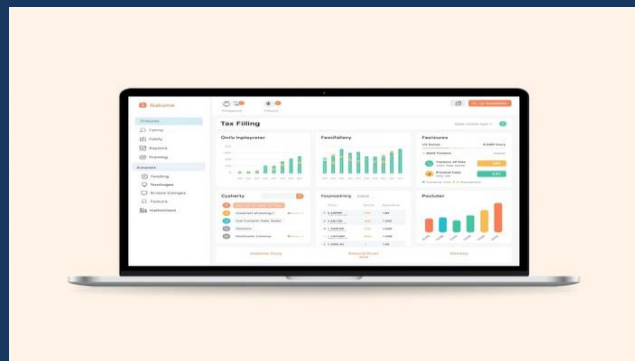
## Accuracy

Enhances data accuracy, minimizing errors in financial processes.



## Speed

Facilitates quicker decision-making, improving response times dramatically.



## Filing

Unified tax filing simplifies the entire process.



## Insurance

Streamlined insurance management for better decision-making.



## Tracking

Investment tracking enables real-time financial insights.

# FinVerse vs Leading FinTech Solutions

Competitor	Strength	Limitation	FinVerse Edge
TurboTax (Intuit)	Mature tax engine	Limited personalization	AI chatbot & predictive filing
Mint	Good budgeting UI	Weak compliance focus	Unified tax-insurance-investment
Cleo AI	Conversational AI	No regulatory depth	Governance + ethical AI (HEVIDS)
Wealthfront	Investment advice	Narrow scope	End-to-end financial ecosystem

- **Governance & auditability:** FinVerse High; TurboTax Med; Mint Low; Cleo Med
  - **Scope breadth:** FinVerse covers Tax+Insurance+Investment+Billing in one platform
-



## **Tax Filing Simplified**

- Automated Calculations
- Real-Time Insights
- Proactive Alerts

## **Insurance Management**

- Policy Aggregation
- Automated Risk
- Claims Assistance

# Financial Automation Overview



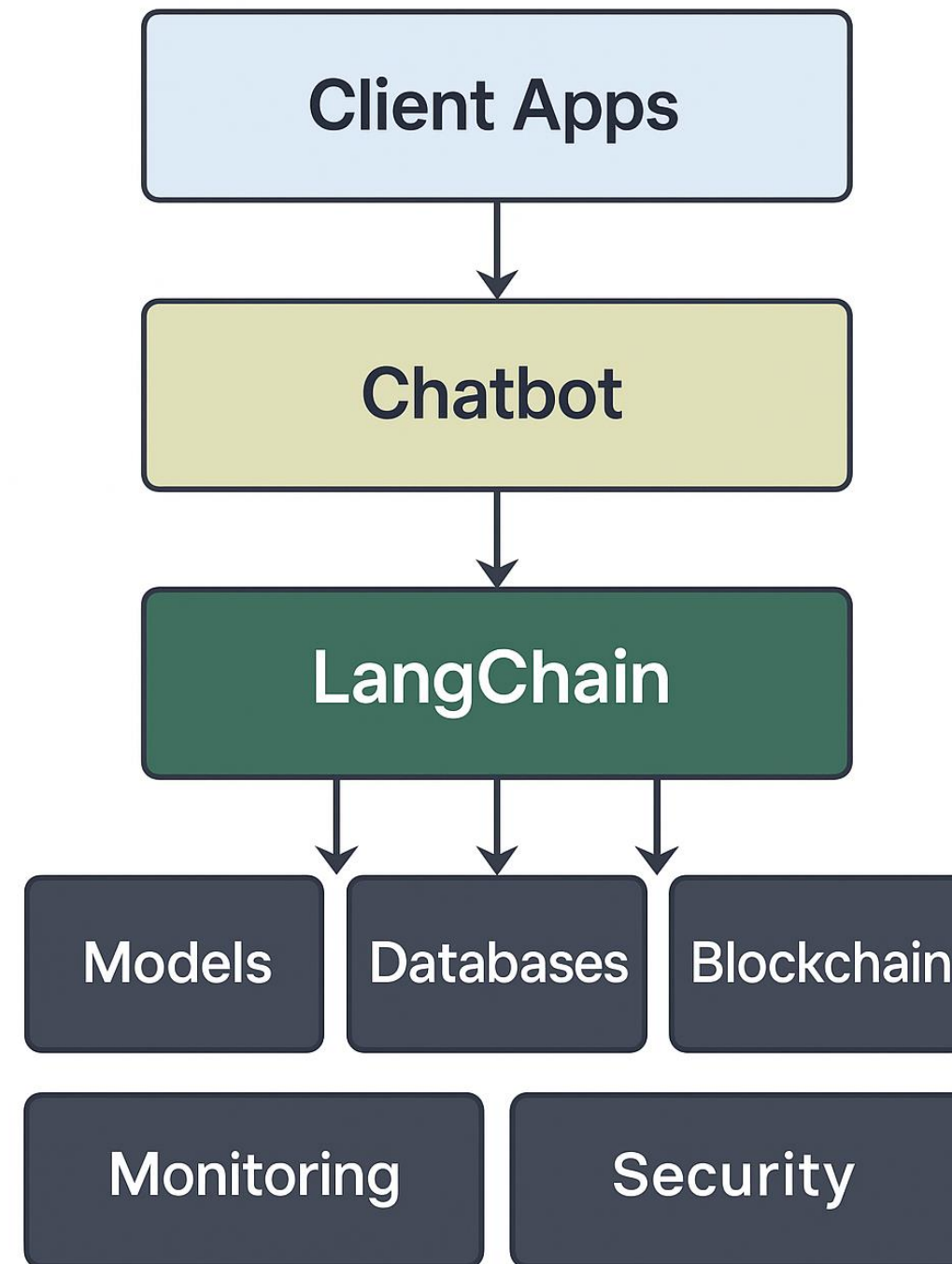
## **Investment Tracking**

- Portfolio Monitoring
- Optimization
- AI Insights

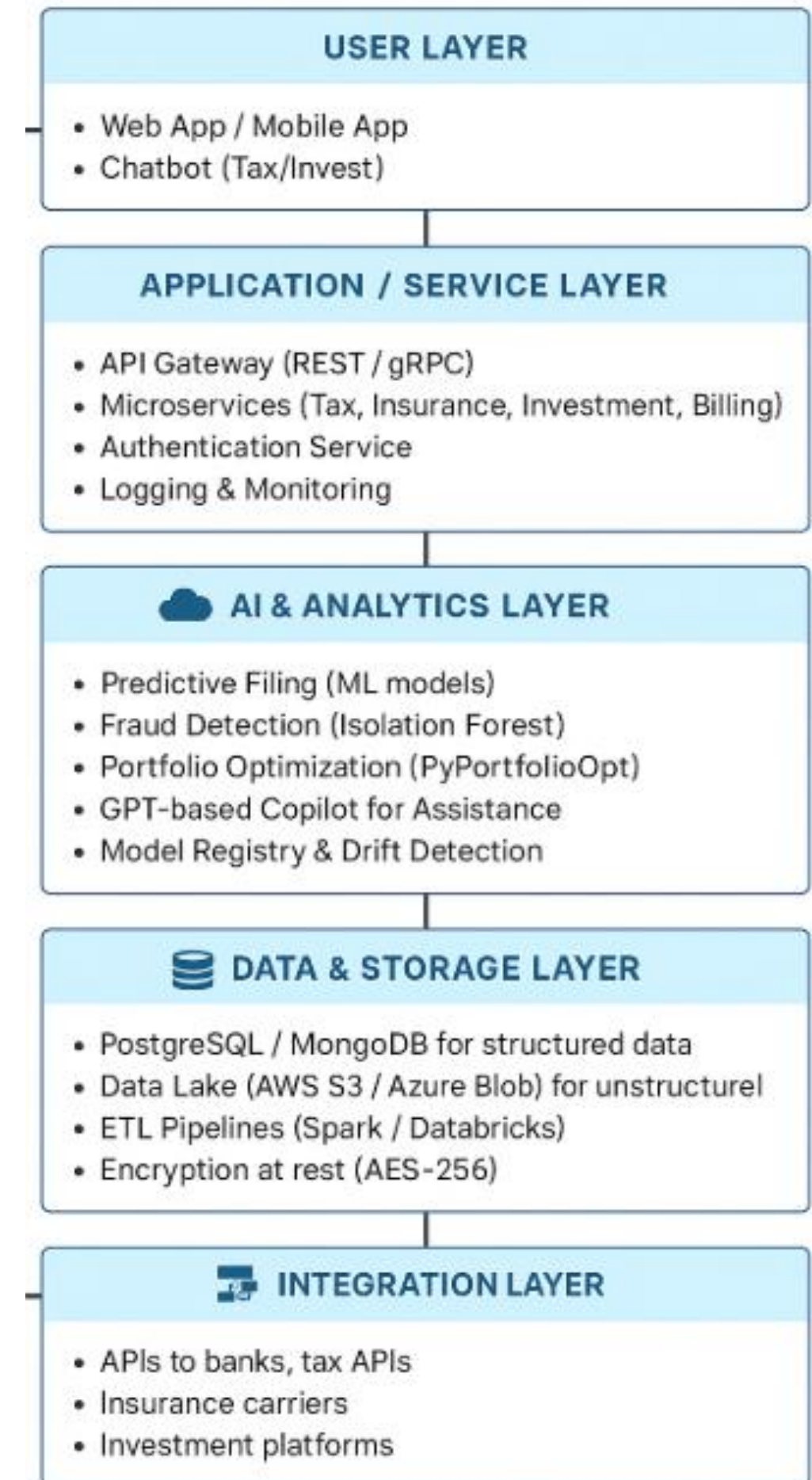
## **Billing Solutions**

- Invoice Generation
- Payment Reminders
- Financial Reporting

# Technical Architecture



Aura Architecture





# Technologies Powering FinVerse

## Application & AI Core:

- FastAPI, Gemini 1.5 Flash, Ollama Local AI, LangChain, Mlflow
- Microservices, model tracking

## Front-End (User Interface Layer):

- React.js, Tailwind
- Interactive dashboards for web and mobile
- Real-time visualization and chatbot UI

## Data & Governance Layer:

- MongoDB
- AWS S3
- Secure storage, immutable audit, cloud backups

## Security & Monitoring Tools:

- AWS GuardDuty, Azure Sentinel
- Real-time monitoring and incident alerts

## Infrastructure & Deployment Layer:

- Docker, Kubernetes, AWS, Azure, GitHub Actions
- Containerization, CI/CD, multi-cloud scaling

# Risk Management and HEVIDS Framework

Harmony – Balance  
between automation  
and human decision-  
making.

Ethics – No  
unauthorized data  
use or manipulation.

Veracity – Data  
integrity and factual  
accuracy.

Integrity –  
Explainable and  
auditable AI  
decisions.

Discernment – AI  
supports, not  
replaces, humans.

Safeguards –  
Continuous threat  
monitoring and  
accountability.





# SWOT Summary

- Strengths: Unified AI platform, ethical governance
- Weaknesses: Early-stage adoption curve
- Opportunities: SME automation market, compliance tech
- Threats: Regulatory changes, cyber risks

# SWOT



# Course Framework Integration

Course Concept

FinVerse Example

Digital Transformation

Unified AI platform for FinTech

Governance

RBAC, ISO, SOC2 compliance

Change Management

Gradual user adoption, training

Responsible AI

HEVIDS, bias detection audits





# Budget Overview

Category	Cost (USD)	Highlights
Tech & Infra	12,000	Cloud, Security Monitoring
AI Integration	15,000	Gemini, Ollama, LangChain
UI & Dashboard	10,000	Streamlit, Governance UI
Training	3,000	Ethical AI Workshops
Compliance	2,000	Audits & Bias Checks
Total: \$42,000 (8 months)		





# FinVerse Revolution

- Global multilingual platform.
- Trusted AI backbone for digital finance.
- Human-centered design balancing innovation and ethics.
- Simplifying Finance, Empowering Growth



# Implementation Timeline

## **Phase 1:**

### **Backend & AI Setup**

4 weeks

Set up FastAPI backend, AI core, and model integration.

## **Phase 2:**

### **Cloud & API Integration**

3 weeks

Connect AWS & Azure environments, enable REST APIs.

## **Phase 3:**

### **Security & Testing**

2 weeks

Perform system audits, fix vulnerabilities, validate data flow.

## **Phase 4:**

### **Prototype Review & Presentation**

2 weeks

Final evaluation, stakeholder demo, and documentation.



**Thank You**