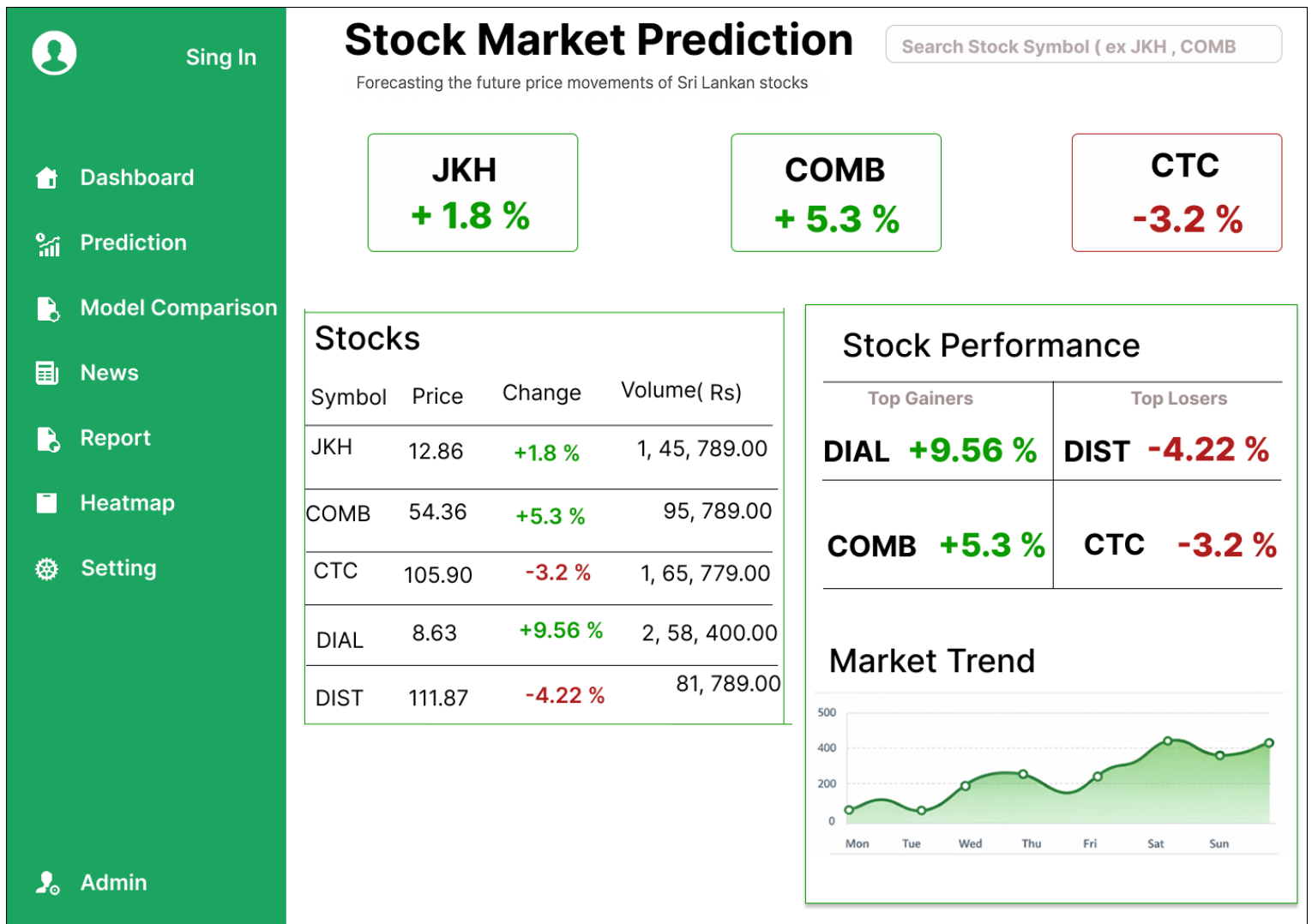


# COLOMBO STOCK MARKET PREDICTIVE SYSTEM

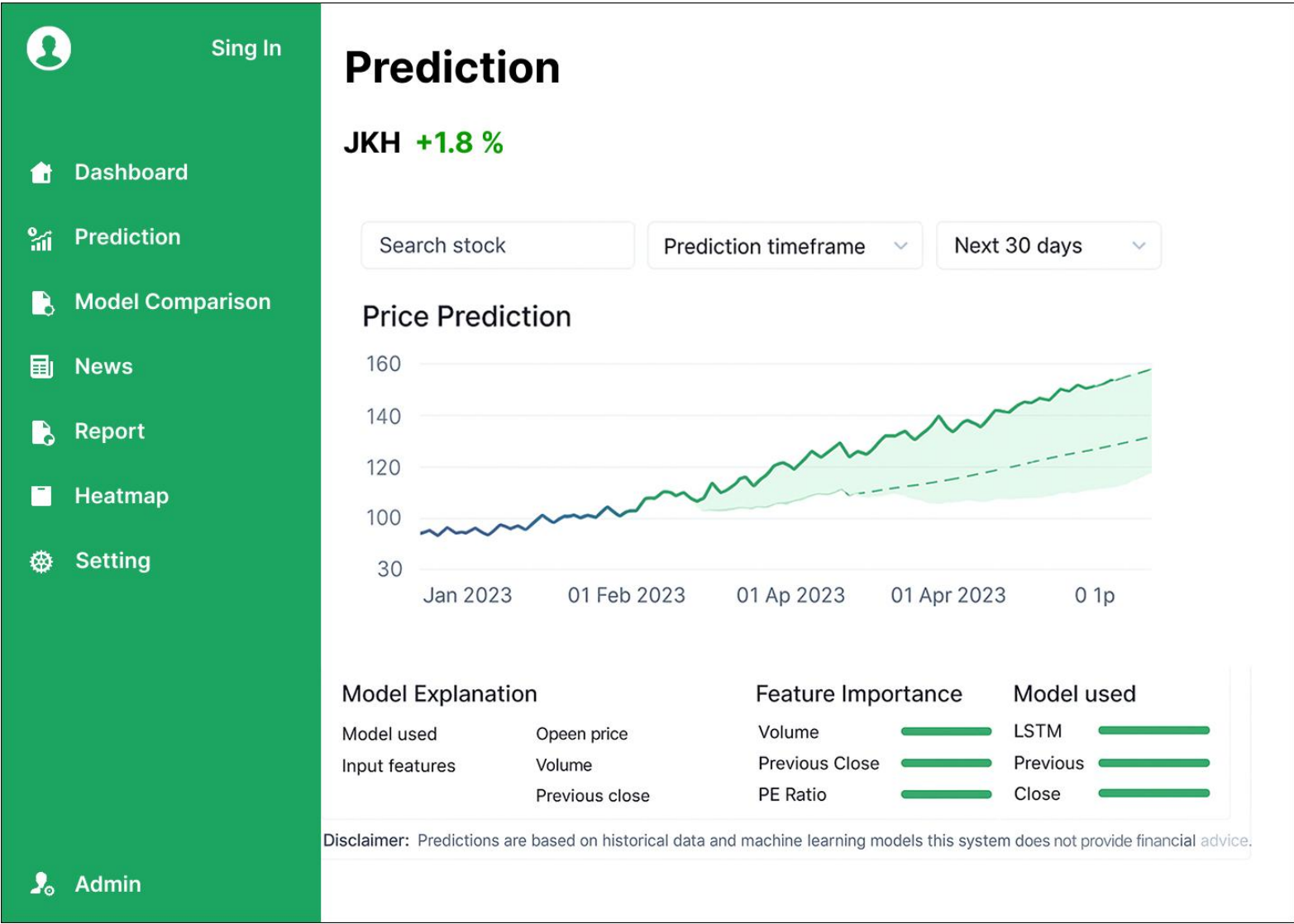
UI/UX DESIGINES

## USERS

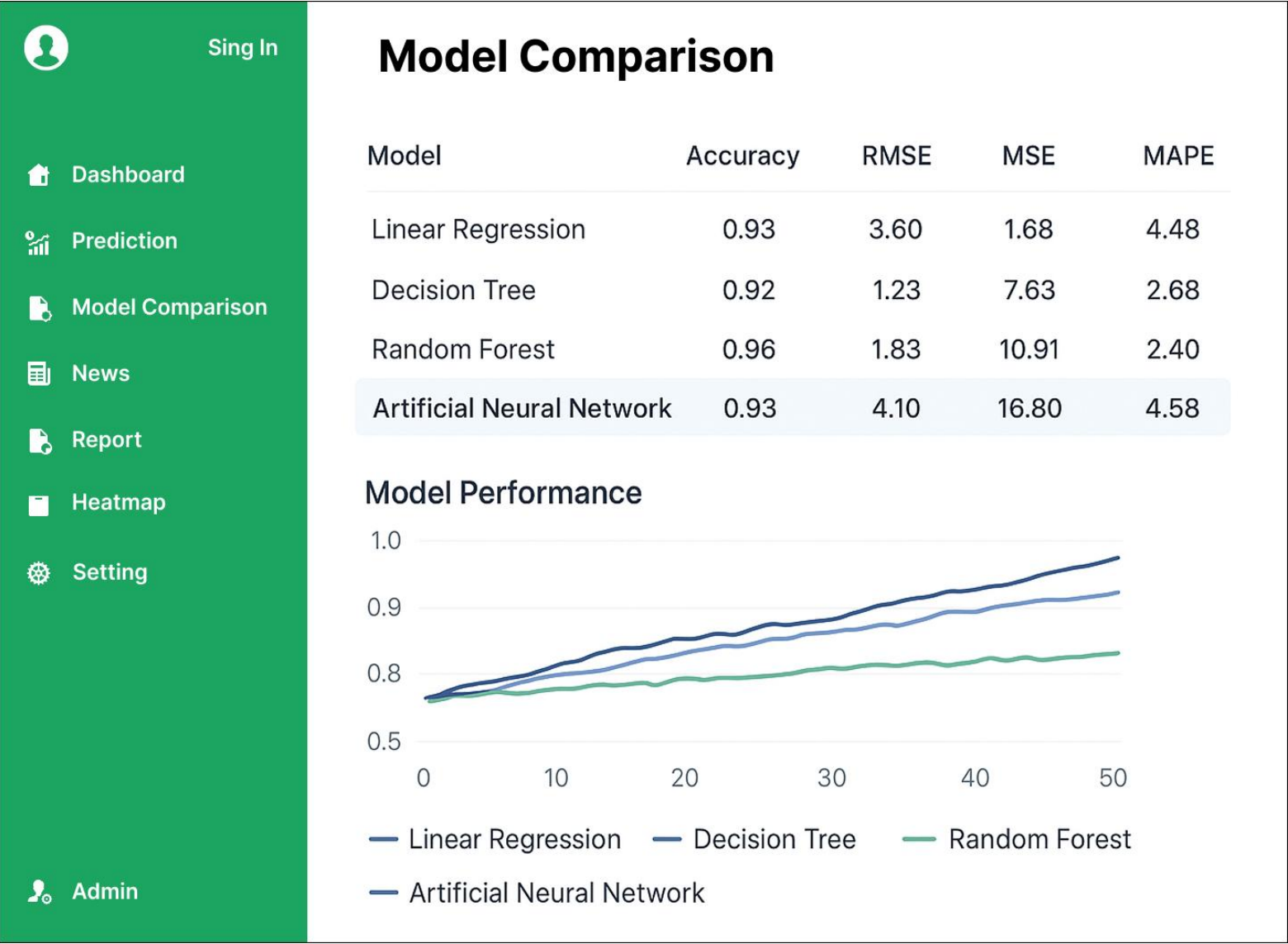
### 1. Home dashboard




## 2. Prediction





### 3. Model Comparison





## 4. News


 Sing In


 Dashboard


 Prediction


 Model Comparison

 News

 Report

 Heatmap

 Setting

 Admin

# News

### Latest CSE-related articles

**JKH reports 10% increase in net profits**  
The Daily Express · 2 hours ago  
JKH, one of the largest conglomerates on the CSE, reported a 10% increase in net profits for the quarter.  
**Positive**

**CSE ends day on a positive**  
The Island · 4 hours ago  
The Colombo Stock Exchange closed the day's trading session on a positive note, with the ASPI and S&P SL20 Indices  
**Positive**

**LOLC announces earnings**  
Daily FT · 8 hours ago  
LOLC, a leading non-banking financial services company, announced an increase in earnings due to robust lending.  
**Negative**

**Economic crisis: Inflation rate surges**  
The Sunday Times · 1 day ago  
The economic crisis has led to a surge in the inflation rate, reaching new highs according to the latest report.  
**Neutral**

#### Filters

☐ Political

☐ Economic

☐ Company news


#### Tags


LOLC


Inflation


Interest rate


Central Bank


 Sing In


 Dashboard


 Prediction


 Model Comparison

 News

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# Reports

## Reports Archive

<

1

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Report Name	Period	Generated On	Size	Action
Market Summary	Weekly	Mar 1, 2025	2.3 MB	<a href="#">Download</a>
Daily Activity Report	Today		582 KB	<a href="#">Download</a>
Monthly Overview	Monthly	Feb 29, 2025	1.1 MB	<a href="#">Download</a>

1-3 of 3 reports < >

## Reports Archive

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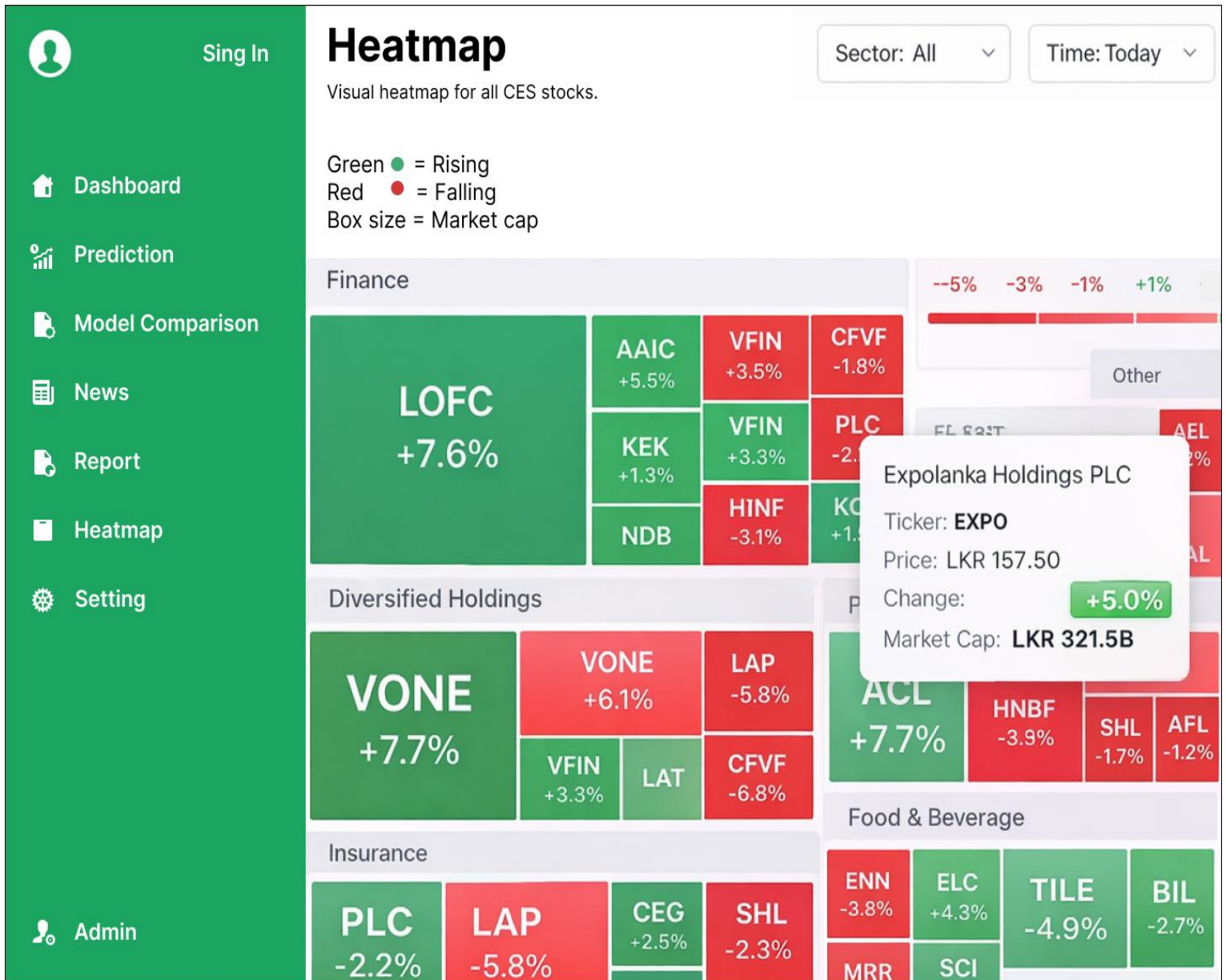
1-3 of 3 reports < >

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Monthly Overview	Monthly	Feb 29, 2025	1.1 MB	<a href="#">Download</a>

1-3 of 3 reports < >


## 6. Heatmap





## 7. Setting





Sing In


 Dashboard


 Prediction


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 News

 Report


 Heatmap

 Setting

 Admin

# Setting

### Profile Setting



Full Name


N D Mathararachchi


Email

nethudil0909@gmail.com

Save Change

### Theme

 Light  
On

 Dark  
Off

### Notification Preferences

Stock Prediction Alerts


☒

Market News Updates

☒

Reports Notifications

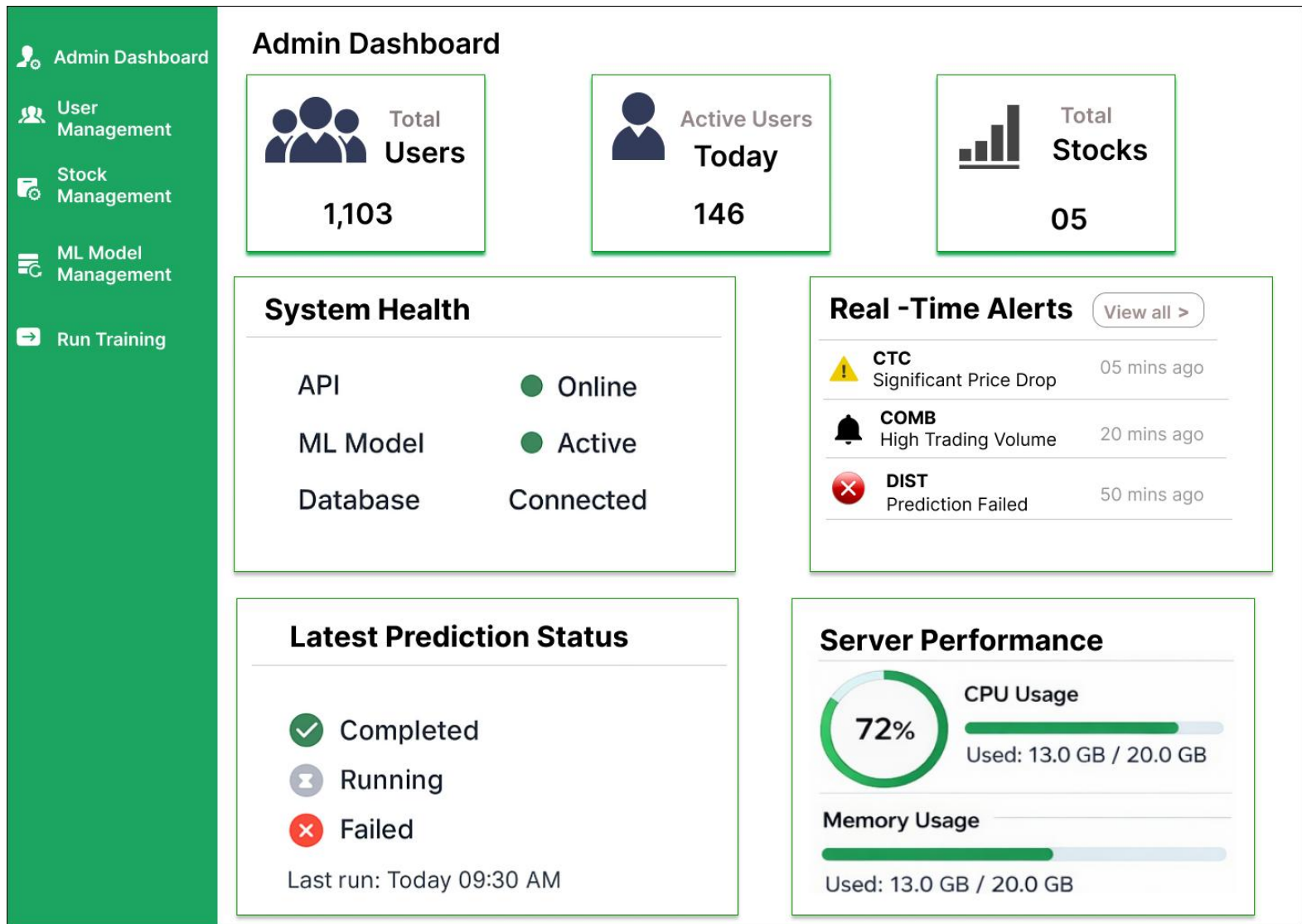
☐

 Log Out




# ADMIN PANEL


## 1. Admin dashboard








## 2. User Management

 Admin Dashboard

 User Management

 Stock Management






 ML Model Management

 Run Training


User Management


Search Users


Active


User	Email	Role	Status	Action
 John Doe john@email.om	john company.com	Admin	Active	...
 Jane Smith jane@email.om	Jane company.com	User	Inactive	...
 Mike Brown mike@email.om	Mike company.com	Analyst	Active	...
 Lisa White lisa@email.om	Lisa company.com	User	Inactive	...
 David Green david@email.om	David green.com	User	Active	...


### 3. Stock Management

 Admin Dashboard

 User Management

 Stock Management

 ML Model Management


 Run Training


## Stock Management


Add


Symbol		Company	Tracking	Sector
CSE	CSE Systems	CSE Systems	Enabled	Technology
ABC	ABC Ltd	ABC Ltd	Disabled	Finance
XYZ	XYZ Industries	XYZ Industries	Enabled	Healthcare
DEF	DEF Corp	DEF Corp	Disabled	Consumer Goods


## 4. ML Model Management

 Admin Dashboard

 User Management

 Stock Management

 ML Model Management

 Run Training

### ML Model Management

#### Upload Model

Upload model

---

#### Select Active Model

☒ LSTM ☐ RF ☐ ARIMA

---

#### Manual Predictions


Run Prediction


---


#### Model Accuracy & Errors


Accuracy	Error
88.7%	11.3%


## 5. Run Training

 Admin Dashboard

 User Management

 Stock Management

 ML Model Management

 Run Training

### Run Training

#### Training Configuration

Select Dataset  
stock\_data.csv ▼

Epochs  
50

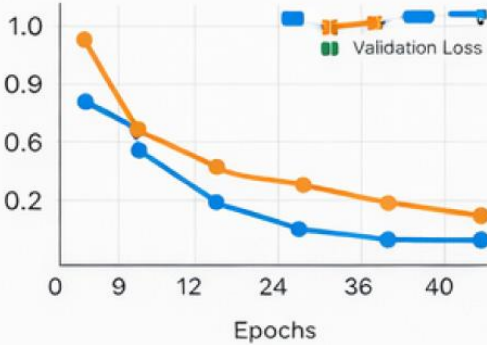
Batch Size  
32

Start Training

Stop Training

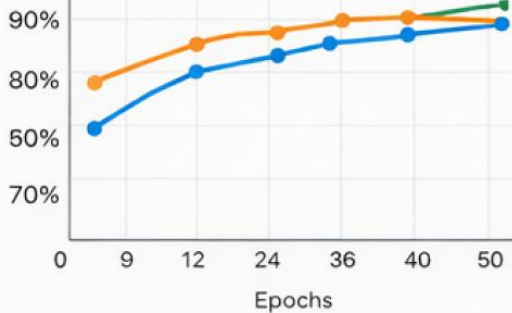
#### Training Visualization

##### Loss Over Epochs



Epochs	Training Loss	Validation Loss
0	0.95	0.85
9	0.65	0.55
12	0.55	0.45
24	0.35	0.25
36	0.25	0.15
40	0.2	0.1
50	0.15	0.1

##### Accuracy Over Epochs



Epochs	Training Accuracy	Validation Accuracy
0	72.0%	76.3%
9	76.3%	78.9%
12	78.9%	81.2%
24	81.2%	83.0%
36	83.0%	83.0%
40	83.0%	83.0%
50	83.0%	83.0%

#### Live Logs

Status - Running Training

Epoch 1/50 | Loss: 0.812 | Accuracy: 72.0%

Epoch 2/50 | Loss: 0.701 | Accuracy: 76.3%

Epoch 3/50 | Loss: 0.642 | Accuracy: 78.9%

Epoch 4/50 | Loss: 0.598 | Accuracy: 81.2%

Epoch 5/50 | Loss: 0.561 | Accuracy: 83.0%

Model Saved Successfully