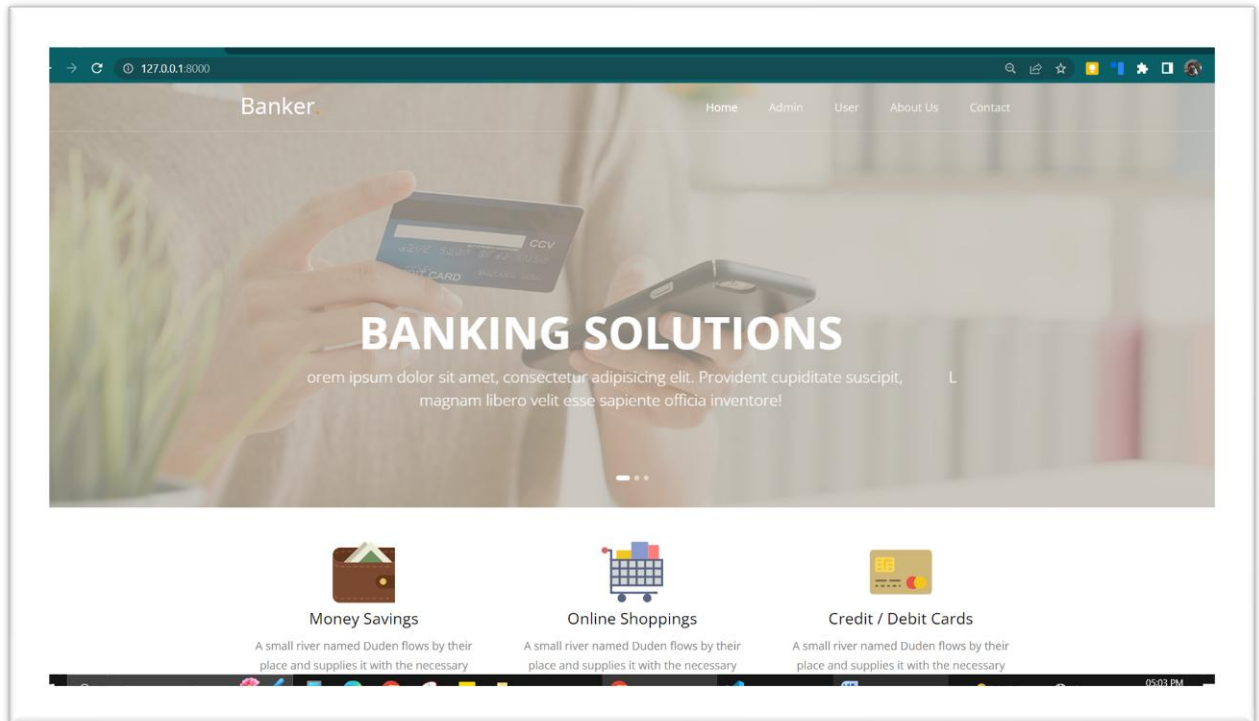


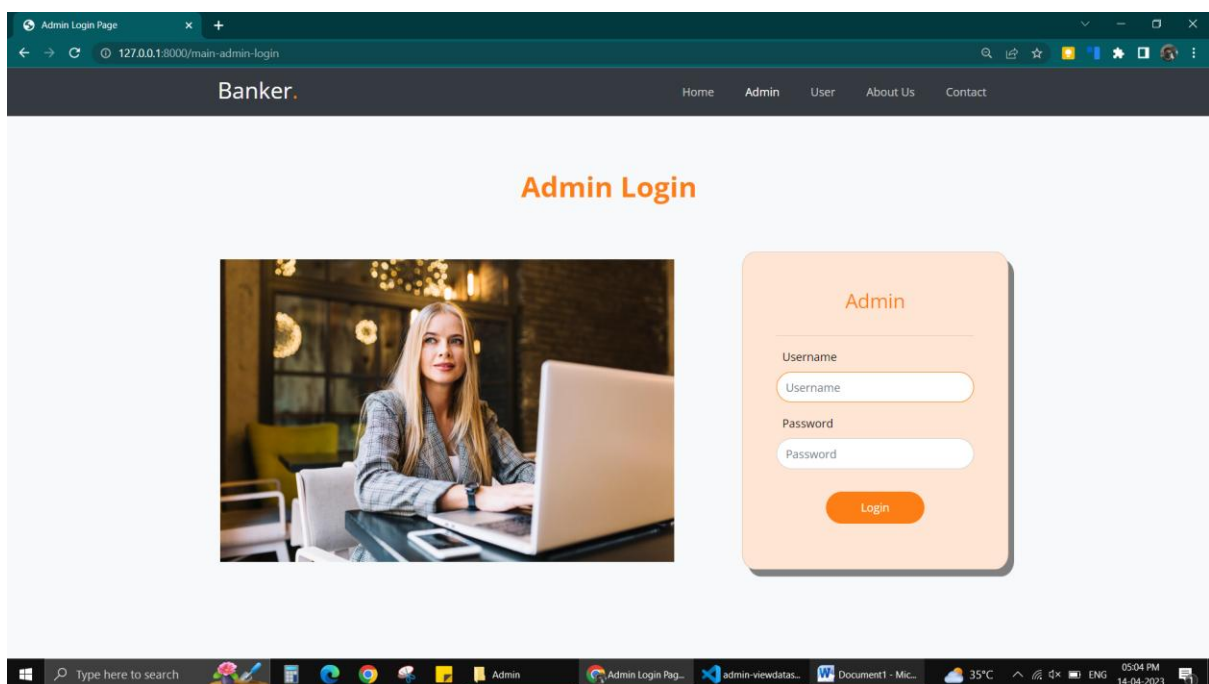
Fraud Detection in Banking Data

1. Main

Home Page



Admin Login



User Login


User Login Page

127.0.0.1:8000/user-login

Banker.

HomeAdminUserAbout UsContact

User Login



Sign In

Email address

name@example.com

Password

Password

Sign In

Don't have an account? [Register.](#)

Type here to search

Admin

User Login Page ...

admin-viewdatas...

Document1 - Mic...

35°C

ENG

05:05 PM

14-04-2023

User Register


User Registration Page

127.0.0.1:8000/main-user-register

Banker.

HomeAdminUserAbout UsContact

User Registration



Register

Full Name

Name

Email address

name@example.com

Phone Number

Phone Number

Password

Password

Address

Address

Upload Profile Picture

Choose file

No file chosen

Register

Already have an account? [Sign in here.](#)

Type here to search

Admin

User Registration...

admin-viewdatas...

Document1 - Mic...

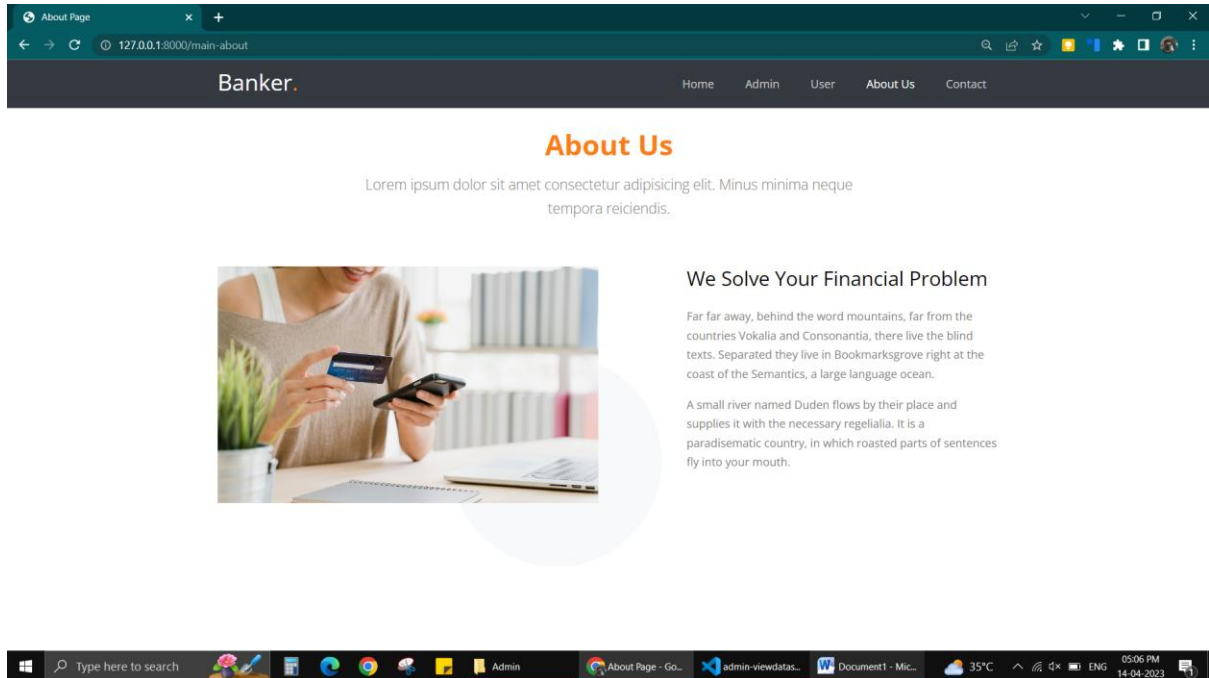
35°C

ENG

05:09 PM

14-04-2023

About Us



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/main-about". The page has a dark header with the "Banker." logo and navigation links: Home, Admin, User, About Us, and Contact. The main content area features the title "About Us" in orange, followed by a paragraph of Lorem Ipsum text. Below the text is a large, light-blue circular graphic containing a photograph of a woman holding a credit card and a smartphone. To the right of the graphic, the heading "We Solve Your Financial Problem" is followed by two paragraphs of Lorem Ipsum text. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray information including the date and time (14-04-2023, 05:06 PM).

About Page


127.0.0.1:8000/main-about

Banker.

Home Admin User About Us Contact

About Us

Lorem ipsum dolor sit amet consectetur adipisicing elit. Minus minima neque tempora reiciendis.



We Solve Your Financial Problem

Far far away, behind the word mountains, far from the countries Vokalia and Consonantia, there live the blind texts. Separated they live in Bookmarksgrove right at the coast of the Semantics, a large language ocean.

A small river named Duden flows by their place and supplies it with the necessary regalia. It is a paradisematic country, in which roasted parts of sentences fly into your mouth.

Type here to search

Admin

About Page - Go...

admin-viewdatas...

Document1 - Mic...

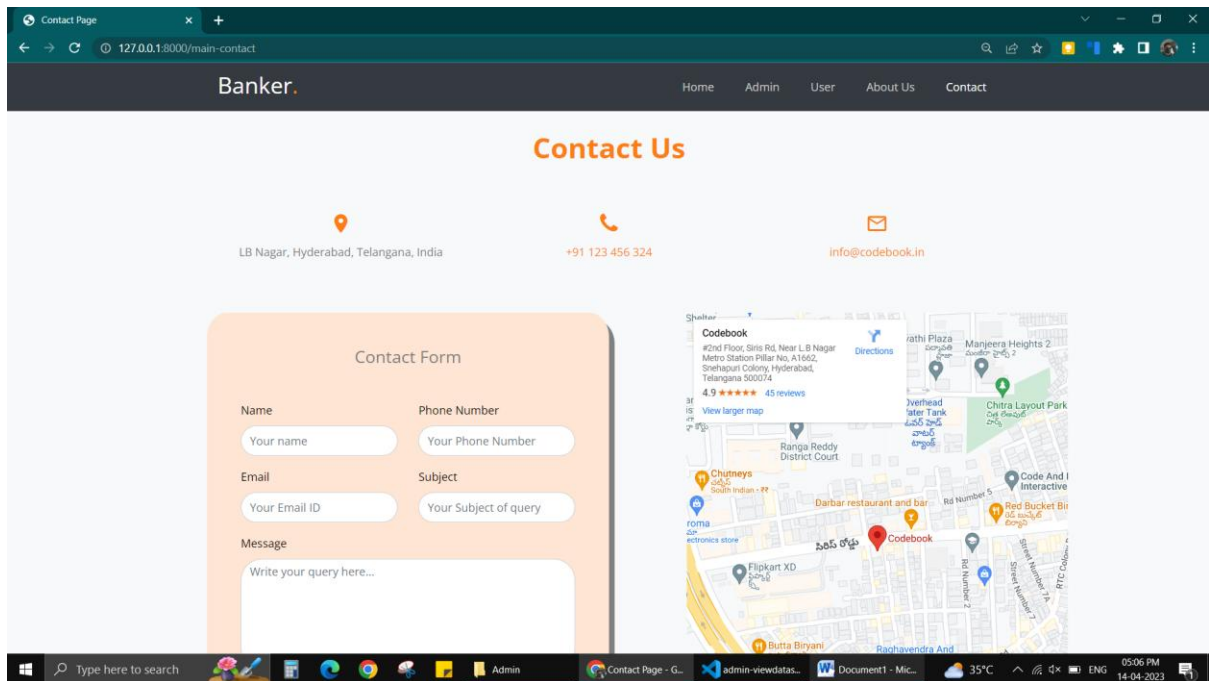
35°C

ENG

05:06 PM

14-04-2023

Contact Us



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/main-contact". The page has a dark header with the "Banker." logo and navigation links: Home, Admin, User, About Us, and Contact. The main content area features the title "Contact Us" in orange. Below the title, there are three contact options: a location pin icon for "LB Nagar, Hyderabad, Telangana, India", a phone icon for "+91 123 456 324", and an email icon for "info@codebook.in". A large, light-orange rounded rectangle contains a "Contact Form" with fields for Name, Phone Number, Email, Subject, and a Message box. To the right of the form is a map showing the location of "Codebook" in LB Nagar, Hyderabad, with various landmarks and a 4.9-star rating. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray information including the date and time (14-04-2023, 05:06 PM).

Contact Page

127.0.0.1:8000/main-contact

Banker.

Home Admin User About Us Contact

Contact Us

LB Nagar, Hyderabad, Telangana, India

+91 123 456 324

info@codebook.in

Contact Form


Name: Your name

Phone Number: Your Phone Number

Email: Your Email ID

Subject: Your Subject of query

Message: Write your query here...



Type here to search

Admin

Contact Page - G...

admin-viewdatas...

Document1 - Mic...

35°C

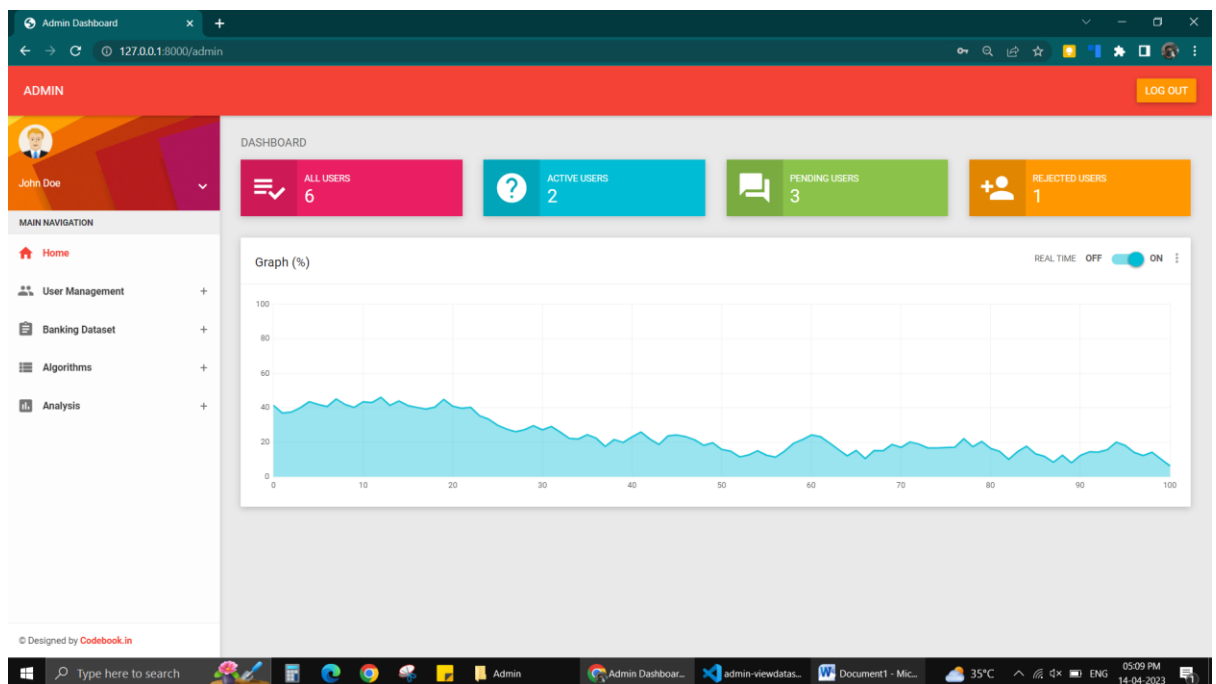
ENG

05:06 PM

14-04-2023

2. Admin Side

Admin Dashboard



All Users

The 'All Users' page displays a table of user profiles. The left sidebar shows the user profile 'John Doe' and a main navigation menu with options: Home, User Management, Banking Dataset, Algorithms, and Analysis. The 'User Management' section is expanded, showing 'All Users', 'Active Users', 'Pending Users', and 'Rejected Users'. The table lists users with their profile pictures, names, email IDs, and status. Each user has an 'Action' column with 'Accept' and 'Reject' buttons, and a 'View Profile' button.

#	Profile Picture	Name	Email ID	Status	Action	View Profile
1		Kath	user33@gmail.com	accepted	✓ Accept ✗ Reject	➕ View Profile
2		user	user@gmail.com	accepted	✓ Accept ✗ Reject	➕ View Profile
4		User1	user1@gmail.com	pending	✓ Accept ✗ Reject	➕ View Profile
5		user2	user2@gmail.com	pending	✓ Accept ✗ Reject	➕ View Profile
8		ABCD	user4@gmail.com	pending	✓ Accept ✗ Reject	➕ View Profile

Active Users

ADMIN

John Doe

MAIN NAVIGATION

- Home
- User Management
 - All Users
 - Active Users
 - Pending Users
 - Rejected Users
- Banking Dataset
- Algorithms
- Analysis

ACTIVE USERS

#	Profile Picture	First Name	Email ID	Status	Action
1		Kath	user33@gmail.com	accepted	Change Status
2		user	user@gmail.com	accepted	Change Status

Page 1 of 1.

© Designed by Codebook.in

Pending Users

ADMIN

John Doe

MAIN NAVIGATION

- Home
- User Management
 - All Users
 - Active Users
 - Pending Users
 - Rejected Users
- Banking Dataset
- Algorithms
- Analysis

PENDING USERS


#	Profile Picture	Name	Email ID	Status	Action
4		User1	user1@gmail.com	pending	Accept Reject
5		user2	user2@gmail.com	pending	Accept Reject
8		ABCD	user4@gmail.com	pending	Accept Reject

Page 1 of 1.

© Designed by Codebook.in

Rejected Users

The screenshot shows a web application interface for managing users. The top navigation bar is red with the word 'ADMIN' and a 'LOG OUT' button. The left sidebar contains a 'MAIN NAVIGATION' menu with options: Home, User Management (expanded), Banking Dataset, Algorithms, and Analysis. Under 'User Management', there are links for All Users, Active Users, Pending Users, and Rejected Users. The main content area is titled 'REJECTED USERS' and displays a table with one user. The table has columns for #, Profile Picture, Name, Email ID, and Status. The user listed is #3, with a profile picture of a woman, name 'F1234', email 'user@gmail.com', and a status of 'rejected'. Below the table, it says 'Page 1 of 1'. The footer of the page indicates '© Designed by Codebook.in'.

#	Profile Picture	Name	Email ID	Status
3		F1234	user@gmail.com	rejected

Page 1 of 1.

View User Profile

The screenshot shows the 'Viewing John Doe's Profile' page. The top navigation bar is red with 'ADMIN' and a 'LOG OUT' button. The left sidebar is the same as the previous screenshot, but the 'User Management' menu is expanded to show 'All Users', 'Active Users', 'Pending Users', and 'Rejected Users'. The main content area is titled 'Viewing John Doe's Profile' and features a large profile picture of a lion's head. Below the picture, there are four rows of user information, each with a label and a text input field: 'Full Name' (John Doe), 'Email' (john@gmail.com), 'Phone' (9234567895), and 'Address' (USA). The footer of the page indicates '© Designed by Codebook.in'.

Full Name	John Doe
Email	john@gmail.com
Phone	9234567895
Address	USA

Upload Dataset

ADMIN LOG OUT

John Doe

MAIN NAVIGATION

- Home
- User Management
- Banking Dataset
 - Upload Dataset
 - View Dataset
- Algorithms
- Analysis

UPLOAD DATASET

Upload Dataset

Upload your dataset file (only .csv and .xlsx files accepted)

Choose file No file chosen

Upload Dataset

© Designed by Codebook.in

View Dataset

ADMIN LOG OUT

John Doe

MAIN NAVIGATION

- Home
- User Management
- Banking Dataset
 - Upload Dataset
 - View Dataset
- Algorithms
- Analysis

Dataset

	amount	oldbalanceOrg	newbalanceOrig	oldbalanceDest	newbalanceDest	IsFraud
type						
CASH_OUT	183806.32	19391.00	0.00	3.825722e+05	5.663785e+05	0
PAYMENT	521.37	0.00	0.00	0.000000e+00	0.000000e+00	0
PAYMENT	3478.18	19853.00	16374.82	0.000000e+00	0.000000e+00	0
PAYMENT	1716.05	5769.17	4053.13	0.000000e+00	0.000000e+00	0
CASH_IN	253129.93	1328499.49	1581629.42	2.713220e+06	2.460091e+06	0
PAYMENT	24768.57	21573.00	0.00	0.000000e+00	0.000000e+00	0
CASH_OUT	124718.38	0.00	0.00	2.482528e+06	2.607246e+06	0
PAYMENT	1464.13	60483.00	59018.87	0.000000e+00	0.000000e+00	0
TRANSFER	353783.72	0.00	0.00	1.639764e+06	1.993548e+06	0
CASH_IN	266999.97	7411271.89	7678271.86	3.868129e+05	1.198129e+05	0
CASH_IN	53230.73	895081.62	948312.35	7.015146e+06	6.961916e+06	0

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Logistic Regression Algorithm

The screenshot shows a web application interface for the Logistic Regression Algorithm. The top navigation bar is red with the word "ADMIN" and a "LOG OUT" button. The left sidebar contains a user profile for "John Doe" and a "MAIN NAVIGATION" menu with options: Home, User Management, Banking Dataset, Algorithms (selected), and Analysis. The "Algorithms" menu is expanded, showing "Logistic Regression", "Multinomial Naive Bayes", and "ADA Boost Classifier". The main content area has a header "Logistic Regression Algorithm" with a "Run Algorithm" button. Below this is a "DATASET" table with the following data:

#	Algorithm	Precision	Accuracy	F1 Score	Recall
1	Logistic Regression	0.9304601634108913	0.9116368064011132	0.8989790858289597	0.8816786885073655

The bottom of the screen shows a Windows taskbar with the date and time "05:16 PM 14-04-2023".

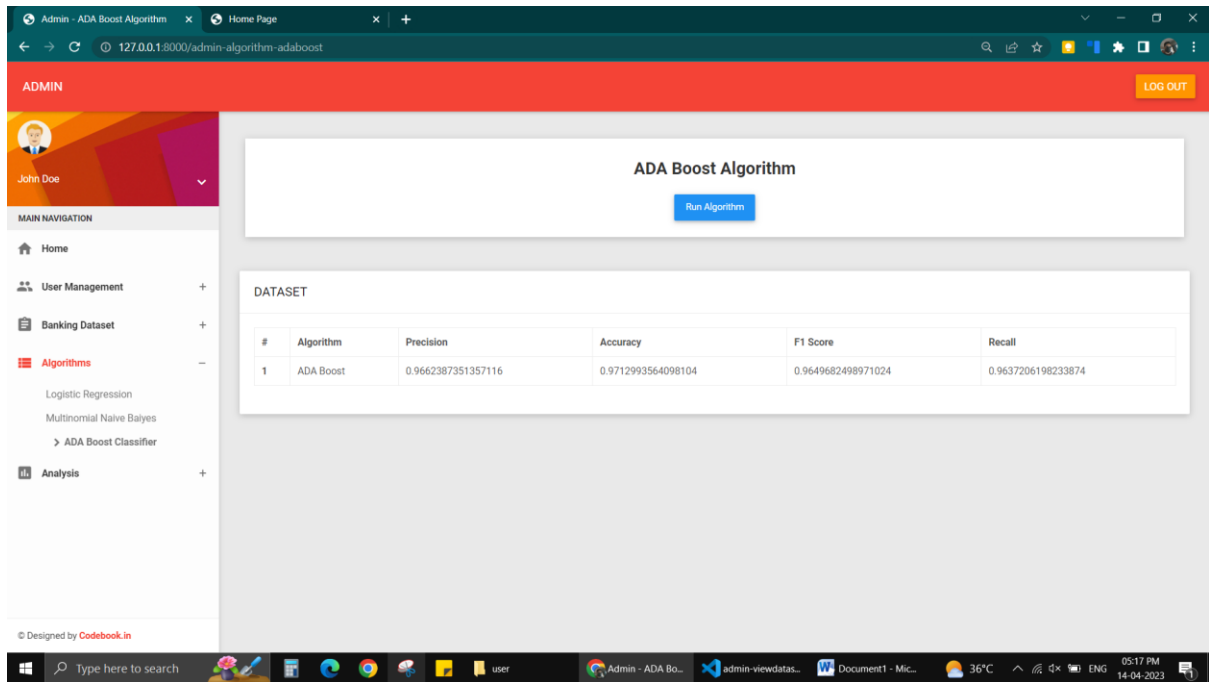
Multinomial Naïve Bayes Algorithm

The screenshot shows a web application interface for the Multinomial Naïve Bayes Algorithm. The top navigation bar is red with the word "ADMIN" and a "LOG OUT" button. The left sidebar contains a user profile for "John Doe" and a "MAIN NAVIGATION" menu with options: Home, User Management, Banking Dataset, Algorithms (selected), and Analysis. The "Algorithms" menu is expanded, showing "Logistic Regression", "Multinomial Naive Baiyes" (selected), and "ADA Boost Classifier". The main content area has a header "Multinomial Naive Baiyes Algorithm" with a "Run Algorithm" button. Below this is a "DATASET" table with the following data:

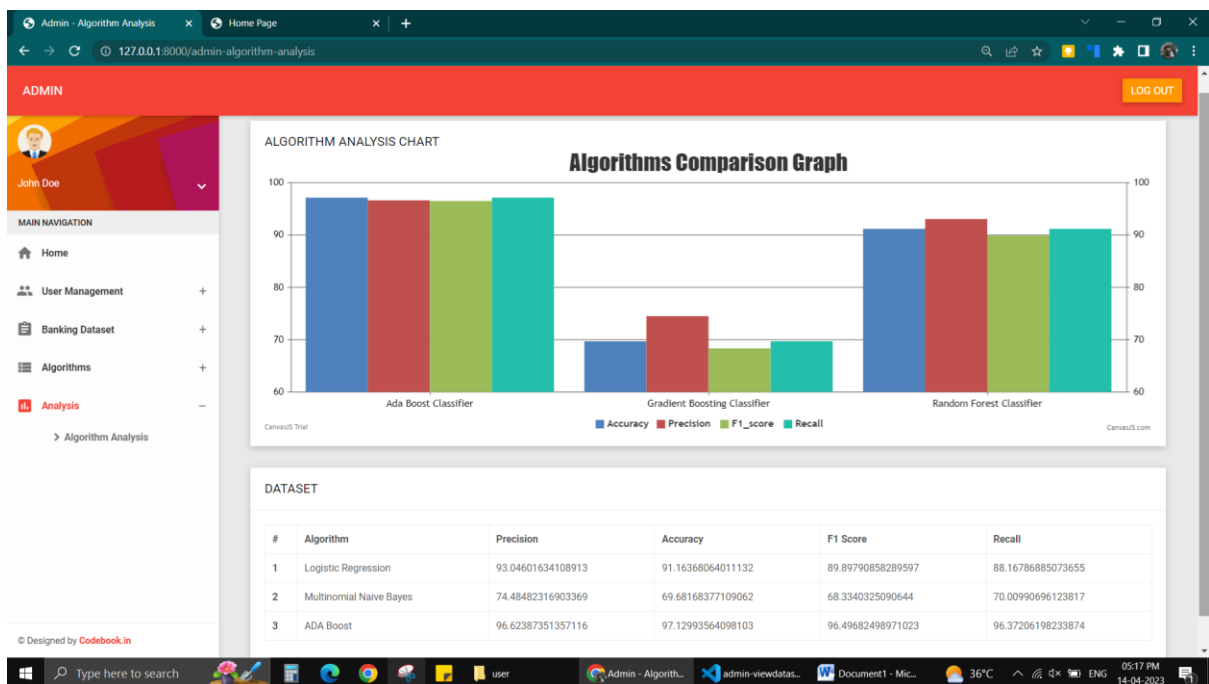
#	Algorithm	Precision	Accuracy	F1 Score	Recall
1	Multinomial NB	0.7448482316903369	0.6968168377109062	0.683340325090644	0.7000990696123817

The bottom of the screen shows a Windows taskbar with the date and time "05:16 PM 14-04-2023".

ADA Boost Classifier Algorithm

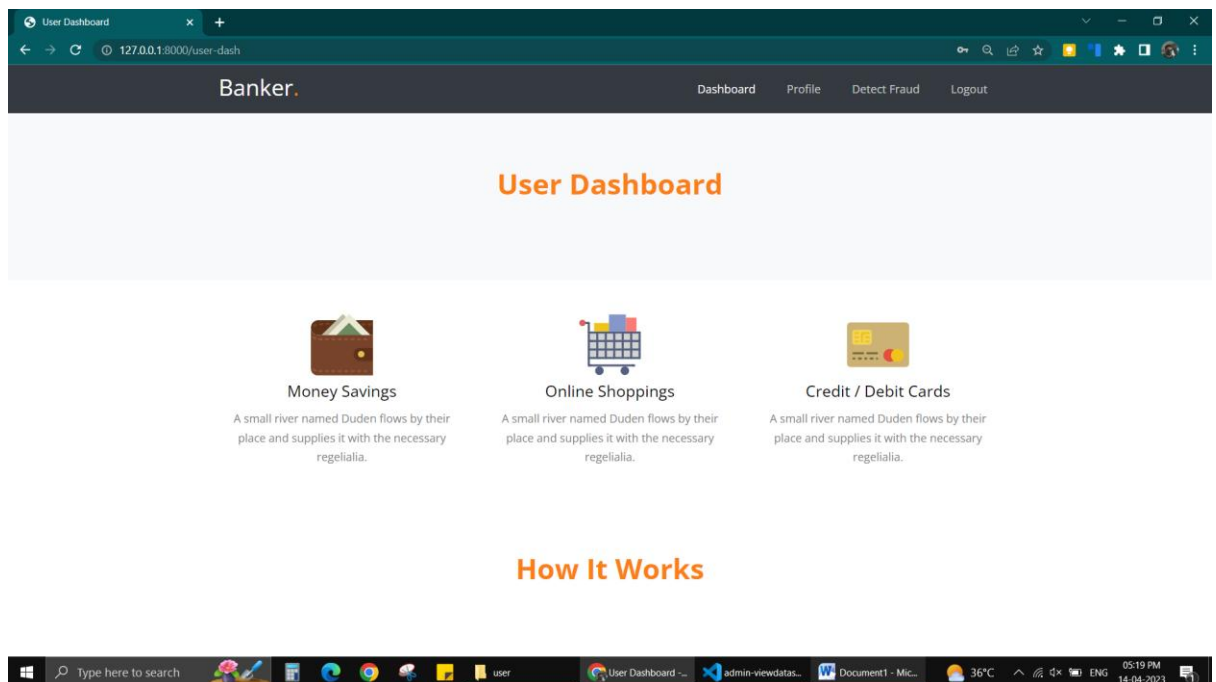


Algorithm Analysis

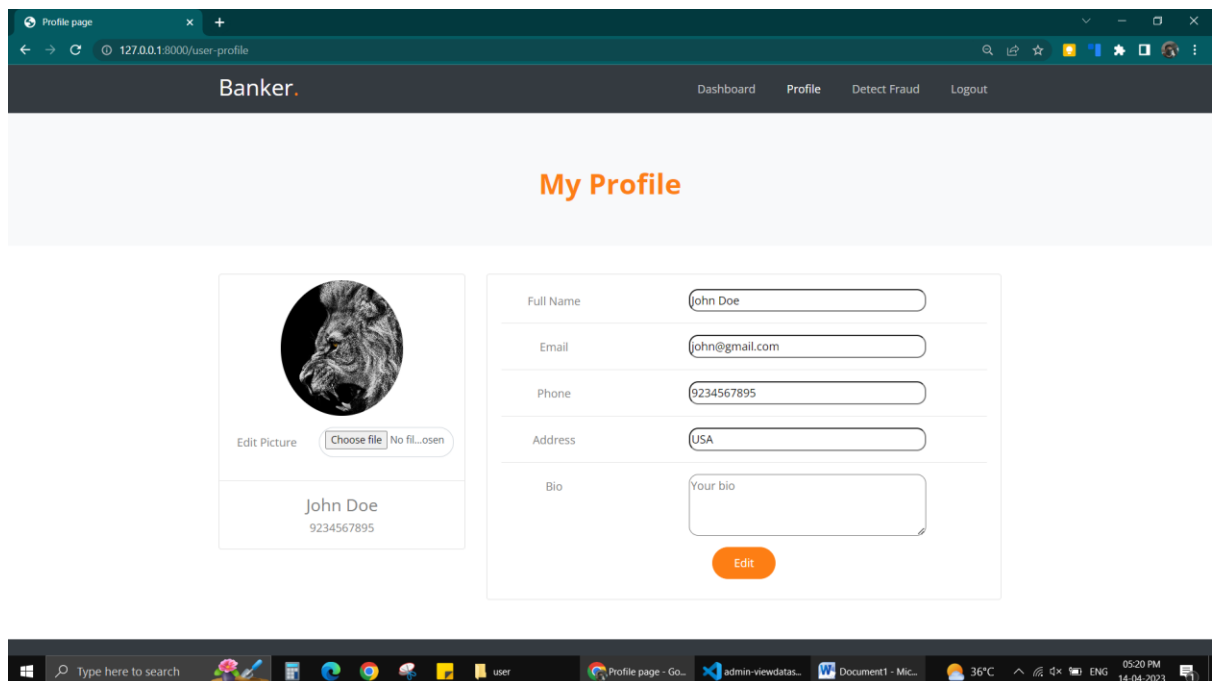


3. User Side

User Dashboard



User Profile



Detect Fraud

Detect Fraud page

127.0.0.1:8000/user-predict

Banker.

Dashboard Profile Detect Fraud Logout

Detect Fraud

Type: Cash Out

Amount: Enter AMOUNT to transfer

Old Balance Origin: Old Balance Origin

New Balance Origin: New Balance Origin

Old Balance Destination: Old Balance Destination

New Balance Destination: New Balance Destination

Detect

About Us: Lorem ipsum dolor sit amet consectetur adipisicing elit. Neque facere laudantium magnam voluptatum autem.

Quick Links: Home, Admin

Follow Us: f, t, @, in

Type here to search

127.0.0.1:8000/user-predict

36°C

05:23 PM 14-04-2023

Genuine Result

Fraud Detection Results

127.0.0.1:8000/user-result/20

Banker.

Dashboard Profile Detect Fraud Logout

Detect Fraud Results

This banking dataset is...

GENUINE	
Amount 4752.56	
oldbalanceOrg 0.0	newbalanceOrig 0.0
oldbalanceDest 0.0	newbalanceDest 0.0

Type here to search

127.0.0.1:8000/user-result/20

36°C

05:30 PM 14-04-2023

Fraud Result

Fraud Detection Results

127.0.0.1:8000/user-result/19

Banker.

DashboardProfileDetect FraudLogout

Detect Fraud Results

This banking dataset is...

FRAUD

Amount	
843174.04	
oldbalanceOrig	newbalanceOrig
843174.04	0.0
oldbalanceDest	newbalanceDest
0.0	0.0

Type here to search

Fraud Detect...user-result.ht...Document1 ...Microsoft Ex...

36°CENG05:29 PM14-04-2023