



# Internship Presentation

Name: Muteeb Bhat  
Company: Markytics  
Role: Python Developer Intern  
Project Name: Lend Partnerz  
Company Mentor: Saurabh Dubey





# About the Company

# Markytics

**Markytics** is a team of highly qualified and passionate analytics professionals. At Markytics our objective is to develop strategic partnership with our clients to deliver improved profits and enhanced customer value by drawing on our strengths in **data analytics** and **statistical modelling**.

We are global analytics and insights provider firm that helps companies to understand “**how**” and “**why**” their customers make decisions. We help companies to understand customer expectations, improve customer experience and secure customer management. We strive to make data analytics accessible to and usable by everyone, across small, medium and large-scale enterprises.

# 01

# Project

# Overview



# About the project



Lend Partnerz have is a platform that is trying to solve the issue of credit availability faced by the SMEs/ MSMEs by using AI & ML technology. SMEs may face major cash crunch because of credit period allowed by them to their customers. Lend Partnerz is trying to solve this problem by raising funds from investors to fulfil needs of these SMEs.

Investments that are **Smarter, Safer and Shorter**

# 10 crores

Amount Invested



# 14%

Average IRR



# 5000+

No. of Investors

# How the platform works?



## VENDORS

Upload invoice to raise the required funds.



## LEND PARTNERZ

Validate the credibility of the Invoices.



## INVESTORS

Bid on the most lucrative Invoice based on the discount offered.



## VENDORS

Pay full invoice amount. Investors receive handsome returns.

\* \*

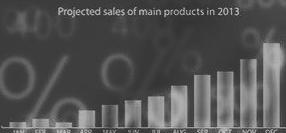
# 02

# Tasks Completed till Date

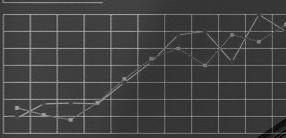
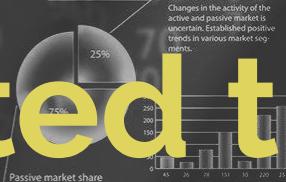
Distribution of market share among the major industry players



Projected sales of main products in 2013



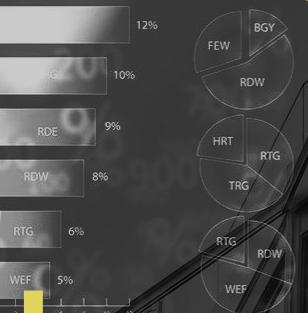
Share of market activity



Distribution marketing participation in the securities market.



Distribution of the securities market key players



	TYU division	FRT division
GHT	254	550
RDW	650	320
TRG	241	450
RTG	241	650
WEF	784	145
HRT	453	784

TYU division  
FRT division



## Tasks till MidTerm

1	Django Training
2	Django Training
3	Getting Familiar with the project and basic changes.
4	Debug and Change Timezone to IST for Amazon RDS
5	New Vendor Repayment Dashboard (Frontend)
6	New Vendor Repayment Dashboard (Backend)
7	Running Django Security Test-Cases on the project..
8	Limiting the Login Attempts to 5 and lockout user for 5 mins.
9	Payment Received Carousel and Interest Calculation
10	Update Password and Mobile Number for both Vendor and Investor
11	OTP Verification for Withdrawal Approval for Admin
12	State and Country Code Dropdown for Business and Admin.



## Tasks After MidTerm

<b>1</b>	Transaction Approval OTP Verification Admin Side
<b>2</b>	Real Estate GUI Mockups
<b>3</b>	Admin Side Revamp
<b>4</b>	Login with OTP Investor Side
<b>5</b>	Real Estate Frontend

# Django Training

The image shows a screenshot of a web application interface. At the top left is the logo "DeskApp". At the top right is a "Login" button. The main area features a background illustration of a man, a woman, and a child standing near a desk where another person is working on a computer. Overlaid on the right side is a registration form. The form has four numbered steps: 1. Basic Account Credentials, 2. Personal Information, 3. Payment Method & Info, and 4. Overview Information. Step 1 is currently active. The form includes fields for Email Address\*, Username\*, Password\*, and Confirm Password\*. A green "Next" button is located at the bottom right of the form.

DeskApp

Login

1 Basic Account Credentials

2 Personal Information

3 Payment Method & Info

4 Overview Information

Email Address\*

Username\*

Password\*

Confirm Password\*

Next

# Django Training

The image shows a screenshot of a web application named "DeskApp". At the top left is the "DeskApp" logo, which consists of three colored squares (blue, green, and red) followed by the text "DeskApp". At the top right is a "Register" button. The main area features a background illustration of four diverse people in an office setting: two women standing and talking, one man sitting at a desk working on a laptop, and another man standing and gesturing. To the right of the illustration is a login form titled "Login To DeskApp". The form includes two buttons for selecting user type: "I'm Manager" (with a briefcase icon) and "I'm Employee" (with a person icon). Below these are fields for "Username" and "Password" (represented by a series of dots). There are "Remember" and "Forgot Password" links, a "SUBMIT" button, and a large green "Sign In" button. Below the sign-in area is a "OR" link and a "Register To Create Account" button.

DeskApp

Register

Login To DeskApp

I'm Manager

I'm Employee

Username

>Password

Remember

Forgot Password

SUBMIT

Sign In

OR

Register To Create Account

# Django Training

The screenshot shows a Django application interface titled "Authors and Sellers". On the left, there is a sidebar menu titled "DeskApp" with the following items:

- Home
- Forms
- Tables
- Calendar
- UI Elements
- Icons
- Charts
- Additional Pages
- Error Pages
- Extra Pages
- Multi Level Menu
- Sitemap
- Chat

The main content area has a search bar at the top with the placeholder "Search Here" and a dropdown arrow. To the right of the search bar are three icons: gear, user, and help. Next to them is a circular profile picture of a person and the text "AnonymousUser". A blue notification badge with the number "1" is visible in the top right corner.

The main title "Authors and Sellers" is displayed above the breadcrumb "Home > Authors and Sellers". A green button on the right says "January 2018".

The central part of the screen is titled "User List". It contains two entries, each with a dropdown menu labeled "Choose an option: None" and a "Submit" button:

**User 1:**  
Username: uname\_id  
Email: pqr@gmail.com  
Fullname: Te Va  
City: Lko  
Date of Birth: Jan. 1, 2000  
Visibility: True

**User 2:**  
Username: uname\_id  
Email: x23@gmail.com  
Fullname: Add Tri  
City: Kashipur  
Date of Birth: Oct. 30, 2001  
Visibility: False

At the bottom of the main content area, there is a footer bar with the text "DeskApp - Bootstrap 4 Admin Template By [Ankit Hingarajya](#)".

# Django Training

The screenshot shows a Django application interface titled "Add details of the Book". The left side features a sidebar with a "DeskApp" logo and a navigation menu containing items like Home, Forms, Tables, Calendar, UI Elements, Icons, Charts, Additional Pages, Error Pages, Extra Pages, Multi Level Menu, Sitemap, Chat, and Invoice. The main content area has a search bar at the top right and a user profile for "AnonymousUser". The central form fields include "Title:" (with an input field), "Description:" (with a large text area), "Visibility:" (with a checkbox), "Cost:" (with an input field), "Year:" (with an input field), "Cover:" (with a file upload button and message "No file chosen"), and "Book:" (with a file upload button and message "No file chosen"). At the bottom, there are "Uploaded By:" (set to "AnonymousUser") and a green "Submit" button.

Search Here

AnonymousUser

### Add details of the Book

Title:

Description:

Visibility:

Cost:

Year:

Cover:  No file chosen

Book:  No file chosen

Uploaded By: AnonymousUser

Submit

# Django Training

The screenshot shows a web application interface with a dark blue sidebar on the left and a light gray main content area on the right.

**Left Sidebar (Dark Blue):**

- DeskApp** (Logo)
- [Home](#)
- [Forms](#)
- [Tables](#)
- [Calendar](#)
- [UI Elements](#)
- [Icons](#)
- [Charts](#)
- [Additional Pages](#)
- [Error Pages](#)
- [Extra Pages](#)
- [Multi Level Menu](#)
- [Sitemap](#)
- [Chat](#)

**Main Content Area (Light Gray):**

At the top of the main area is a search bar with the placeholder "Search Here" and a dropdown arrow, followed by several small icons (gear, bell, user profile, etc.) and the text "AnonymousUser".

The main content is titled "My Books" and includes a breadcrumb trail "Home > My Books". A date selector shows "January 2018".

The "My Books" section has a heading "My Books" and a sub-heading "Add more books". It features a "Display my books" button and a "Uploaded By:" field containing "AnonymousUser". There is also a "Submit" button.

At the bottom of the main content area is a footer bar with the text "DeskApp - Bootstrap 4 Admin Template By [Ankit Hingarajya](#)".

# Payment Received Carousel

The screenshot shows a software interface for managing financial transactions. On the left, a sidebar menu includes: LENDPARTNERZ logo, UPDATE INTEREST button, Investors ▾, Withdrawal List, Deals ▾, Vendor ▾, Whatsapp ▾, Actions ▾, and ADMIN icon.

The main content area has a blue header bar with "Update Interest Calculation" and a red bar with "Delete Interest Calculation". Below this is a title "Payment Recieved".

Two payment entries are displayed in rounded rectangular boxes:

**Payment #1**

Principal Amount	Principal Amount
Interest Amt	20300
Penal Interest	7000
TDS Deduction	0
Int to be Recieved	27300
Received on	dd-mm-yyyy <input type="text"/>
Actual Amount Recieved	27300

**Save**

**Payment #2**

Principal Amount	Principal Amount
Interest Amt	15108
Penal Interest	Penal Interest
TDS Deduction	TDS Deduction
Int to be Recieved	Int to be received
Received on	dd-mm-yyyy <input type="text"/>
Actual Amount Recieved	15108

**Save**

# Update Password Investor Side

The image shows a screenshot of the LENDPARTNERZ mobile application's 'Update Password' screen. The top navigation bar is blue, featuring the LENDPARTNERZ logo, a 'Profile' section with the name 'Muteeb Bhat' and a user icon, and a search bar. On the left is a vertical sidebar with icons and labels for 'Dashboard', 'Investment Deals', 'Balances', 'My Investments', 'FAQ & Contact Us', and 'Refer & Earn'. The main content area has a light gray background. At the top, there are four sections: 'PAN Card' (containing 'BGIPL8955N'), 'GST Number' (with a red 'x' and the text 'Enter GST Number'), 'SLA' (with a link 'View SLA'), and 'Bank Details' (with a green checkmark and a link 'View Bank Details'). Below these is a large button labeled 'Update Password'. Underneath are four input fields: 'Old Password', 'New Password', 'Confirm New Password', and 'OTP'. A note below the fields states 'You will receive an OTP to your registered number'. At the bottom are two large blue buttons: 'SEND OTP' and 'Submit'.

LENDPARTNERZ

Muteeb Bhat

Profile

PAN Card

GST Number

SLA

Bank Details

BGIPL8955N

✖ Enter GST Number

[View SLA](#)

[View Bank Details](#)

Update Password

Old Password

New Password

Confirm New Password

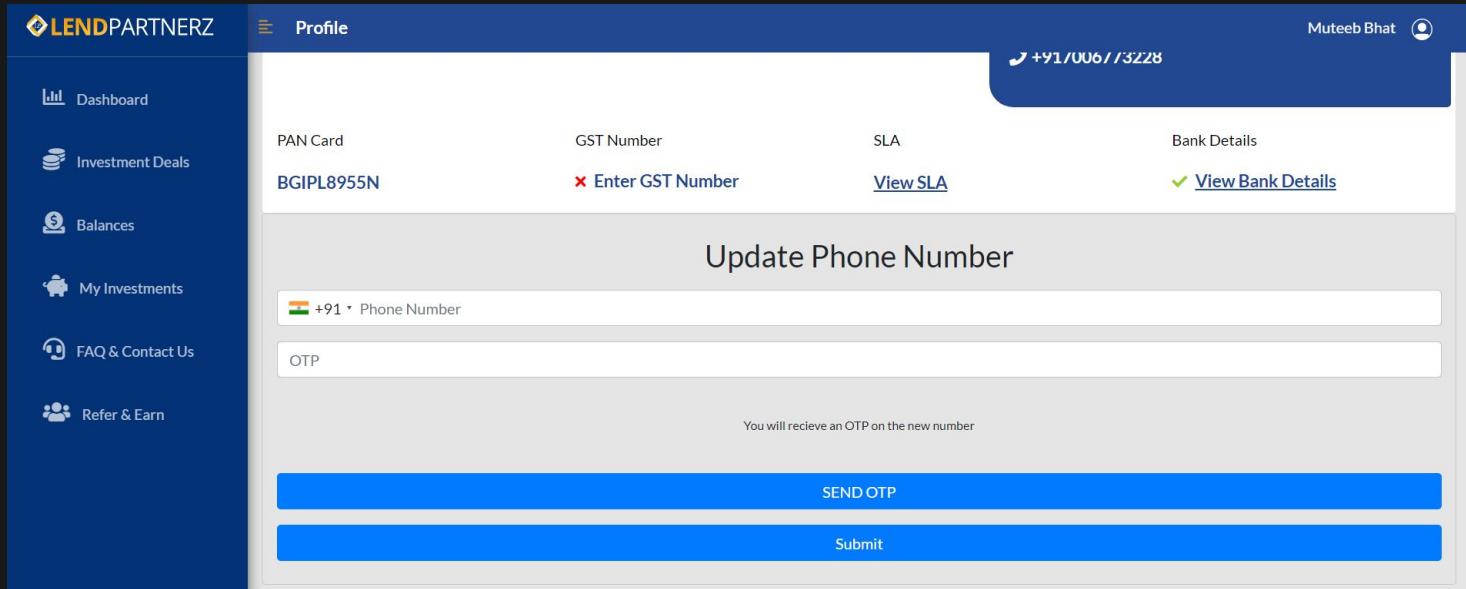
OTP

You will receive an OTP to your registered number

SEND OTP

Submit

# Update Phone Number Investor Side



The screenshot shows the LENDPARTNERZ platform's profile update interface for investors. The top navigation bar includes the LENDPARTNERZ logo, a profile icon for 'Muteeb Bhat', and a phone number '+91/006773228'. The left sidebar lists navigation options: Dashboard, Investment Deals, Balances, My Investments, FAQ & Contact Us, and Refer & Earn. The main content area is titled 'Profile' and contains sections for PAN Card (BGIPL8955N), GST Number (with a red error message 'Enter GST Number'), SLA (with a link 'View SLA'), and Bank Details (with a link 'View Bank Details'). A central form is titled 'Update Phone Number' and features fields for '+91' and 'Phone Number', and 'OTP'. A note below the form states 'You will receive an OTP on the new number'. At the bottom are two large blue buttons: 'SEND OTP' and 'Submit'.

LENDPARTNERZ

Muteeb Bhat

+91/006773228

Profile

PAN Card

GST Number

SLA

Bank Details

BGIPL8955N

✖ Enter GST Number

[View SLA](#)

[View Bank Details](#)

Update Phone Number

+91 Phone Number

OTP

You will receive an OTP on the new number

SEND OTP

Submit

# Update Password Vendor Side

The screenshot shows a web application interface for LendPartnerz. The top navigation bar includes the LendPartnerz logo, a search bar, and links for 'Repayment', 'Funding Request', 'Upload Form 16A', and 'My Account Details'. The user is currently on the 'Repayment' page, which displays a dropdown menu for 'Select Repayment Type' with options like 'Principle Repay', 'Interest Repay', and 'Partial Repay'. A modal window titled 'Update Password' is open in the center. This modal contains four input fields: 'Old Password', 'New Password', 'Confirm New Password', and 'OTP'. Below these fields is a note: 'You will receive an OTP to your registered number'. At the bottom of the modal are two buttons: 'Send OTP' (gray) and 'Submit' (blue). In the top right corner of the main page area, there is a sidebar for 'Cogent Foods Pvt Ltd' featuring the company logo, the name 'Cogent Foods Pvt Ltd', and links for 'Update Password' and 'Logout'.

# Vendor Dashboard

**LENDPARTNERZ**

**Repayment**

Cogent Foods Pvt Ltd

**Repayment**

**Funding Request**

**Upload Form 16A**

**My Account Details**

**Current Limit**

Amt. to be Repaid.	Dt. of Transfer	Dt. of Maturity	ROI(per Month)	Payment Status	Action
₹ N,one	March 6, 2023	May 5, 2023	1.6 %	Pending	<b>Repayment</b>
₹ N,one	March 6, 2023	May 5, 2023	1.35 %	Pending	<b>Repayment</b>

**Repaid Limit**

Principal Amt Repaid.	Dt. of Transfer	Interest Accured	Total Amt Paid	Amt Utilized for	Repayment Type
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# Vendor Dashboard

**LENDPARTNERZ**

Repayment

Cogent Foods Pvt Ltd

Repayment

Funding Request

Upload Form 16A

My Account Details

Repayment

Select Repayment Type

Principle Repayment

Interest Repayment

Principle+Interest Repayment

Select Repayment Type - 2

Full Payment

Partial Payment

Internet Banking

OR

NEFT/RTGS

Sr.No	Enterprise Name	Limits Given	Vendor ID	Select Repayment Date
1	Merwans Confections Pvt Ltd (Merwans)	60000	VEN21228	<input type="text" value="dd-mm-yyyy"/>
2	Domino's( Jubilant Foodworks Ltd )	485000	VEN21228	<input type="text" value="dd-mm-yyyy"/>
3	Taj Sats Air Catering Limited (TajSATS)	55000	VEN21228	<input type="text" value="dd-mm-yyyy"/>

# Vendor Dashboard

The screenshot displays a vendor dashboard with a dark blue header and sidebar, and a white main content area.

**Header:**

- LENDPARTNERZ** logo on the left.
- Vendor Confirm Payment** title in the center.
- Cogent Foods Pvt Ltd** and a user profile icon on the right.

**Left Sidebar (Dark Blue):**

- Repayment**
- Funding Request**
- Upload Form 16A**
- My Account Details**

**Main Content Area (White):**

**Confirm Payment**

**Escrow Bank Details**

Amount :	₹6,19,296.00
Bank Name :	RBL BANK
Account Name :	COGENT FOODS PVT LTD
Account Number :	222332707301105
ISFC Code :	RATNOVAAPIS

**Pay Now** button at the bottom of the form.

# Login Attempts and Lockout User

The image displays a composite view of a website's landing page and its login interface. On the left, a blue background features the LENDPARTNERZ logo at the top, followed by the text "Start Your Financial Growth!" and a vertical white arrow pointing upwards. On the right, a white background shows a "LOGIN" heading, a red message indicating account lockout, and two input fields for email and password. A yellow "Login" button and a "Forgot Password?" link are also present.

LENDPARTNERZ

Start Your Financial Growth!

LOGIN

Your account is locked. Try again after 02:26 PM

Email\*

Enter Password\*

Forgot Password?

Login

Not registered yet? Sign Up

# Interest Calculation

LENDPARTNERZ

UPDATE INTEREST

ADMIN

Investors ▾

Withdrawal List

Deals ▾

Vendor ▾

Whatsapp ▾

Actions ▾

Vendor Id \*\*  
VEN21226

Name \*\*  
ANBRONICA TECHNOLOGIES PRIVATE LIMITED

Principal Amount \*  
350000  
three lakh fifty thousand

Updated Principal Amount  
Updated Principle Amount  
some value herer

Date of Transfer\*  
02-09-2022

Duration Days\*  
30

Tranche Tenure Days  
Tranche Tenure (As per sai

Grace Period Days\*  
3

Validity allotted\*  
23-04-2023

Date of Maturity \*  
02-10-2022

Int p.m.\*  
1.5

Int (For current deal)  
1.5

Interest Rates(%)

Penal Int \* (Per Month)  
2

Yearly Int  
18.0

Int Accrued Rs.  
5250

Additional Interest  
Additional Interest

Total Int Rs.  
(Int Accrued + Grace Period Int)  
37275

Updated Total Interest  
(Total Int - Int Recd)  
Updated Total Interest

Penal Int  
(in Rs.)  
42000.0

Updated Penal Interest  
(Penal Int -Penal Int Recd)  
Updated Penal Interest

Final Int Rs.  
(Updated Total Int + Updated Penal Int)  
Total Int

Final Amt Payable  
(Updated Principal Amt + Total Int)  
Total Amt Payable

# State /Country Dropdown using API

The screenshot shows a web application interface for managing user profiles. On the left, a sidebar menu includes options like 'Investors', 'Withdrawal List', 'Deals', 'Vendor', 'Whatsapp', and 'Actions'. The main content area is titled 'Users List' and displays a user profile for 'Satish Gupta'. The profile includes fields for email ('skgarg55044@gmail.com'), phone number ('+9107015039843'), address ('Preet vihar Panipat'), age ('62'), PAN card number ('ACJPG6107D'), PAN card DOB ('1960-08-19'), Aadhaar number ('NA'), DOB ('dd-mm-yyyy'), PRI balance ('0'), SEC balance ('0'), withdrawal amount in progress ('0'), total amount invested ('0'), deals booked ('0'), total earnings ('0'), LendPartners balance ('0'), WhatsApp bot status ('False'), and email field for bot ('skgarg55044@gmail.com'). Two dropdown menus are present: 'SELECT COUNTRY' set to 'India' and 'STATE' set to 'Delhi'. The top navigation bar shows the URL '127.0.0.1:8000/admin-portal/edit-user/537' and includes tabs for 'Business Sign Up', 'markytics/lendpartners-2', 'LPP - Figma', 'Settings - Password Manager', and '127.0.0.1:8000/admin-portal/edit-user/537'. A blue header bar at the bottom contains the LendPartners logo and the word 'ADMIN'.

# OTP Verification for Transaction

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "127.0.0.1:8000/admin-portal/withdraw-requested-user/transaction\_2970528522". The main content area displays the "LENDPARTNERZ" logo and the title "OTP VERIFICATION". On the left, there is a sidebar with navigation links: Investors ▾, Withdrawal List, Deals ▾, Vendor ▾, Whatsapp ▾, and Actions ▾. The main form has two input fields: "Select Phone Number" and "OTP". Below the fields, a message states "You will receive an OTP to your registered number". There are two buttons at the bottom: "Send OTP" and "Submit". The status bar at the bottom of the browser shows system information like the date (10-05-2023), time (07:58), and language (ENG IN).

# Admin Side Revamp

LENDPARTNERZ

ADMIN

Investors ▾

① Users List

② User Login Details

③ Req Auto Investment

④ Referral Details

⑤ Withdrawal List

⑥ Deals ▾

⑦ Vendor ▾

⑧ Whatsapp ▾

⑨ Actions ▾

Users List

Name

Mobile Number

Search

Deals Purchased ↴

Amount ↴

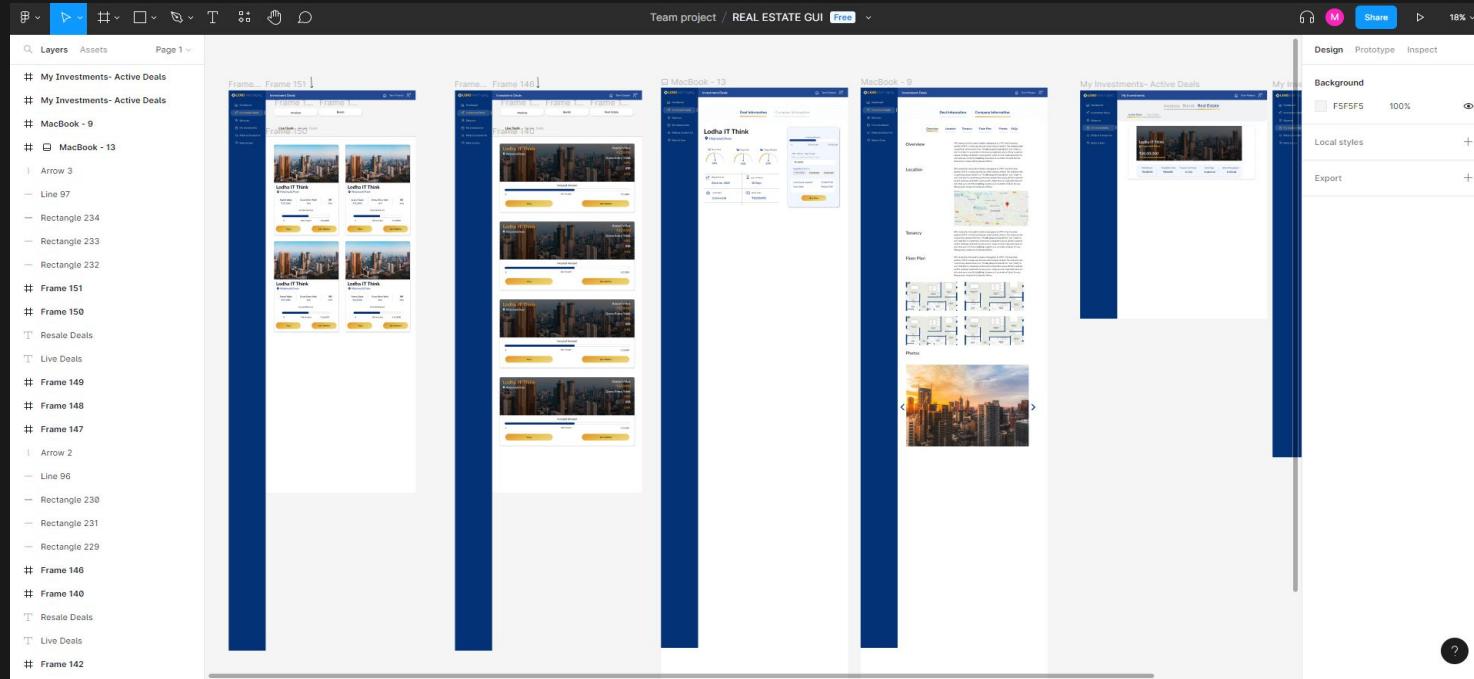
Verification Status ↴

Extra Deals ↴

Download Users Details ↴

Name	Email Id	Mobile Number	Deals Purchased	Total Balance	Verification Status	Registered On	Action
Diksharaut raut	rautdiksha2772@gmail.com		0	0	Not Verified	May 9, 2023, 9:55 a.m.	<button>EDIT</button>
nita kumar	nitakumar@gmail.com		0	0	Not Verified	May 4, 2023, 2:32 p.m.	<button>EDIT</button>
Saurabh Dubey 1	saurabhlive77@gmail.com	+917977617674	0	20	Verified	April 28, 2023, 1:30 p.m.	<button>EDIT</button>
BJRPK7119P	krish.alok2020@gmail.com	+919771259451	0	0	PAN and SLA not Verified	April 24, 2023, 7:48 a.m.	<button>EDIT</button>
PeerC Financial Services Pvt Ltd	rohan@peercc.co	+917498843540	0	0	Not Verified	April 15, 2023, 3:33 p.m.	<button>EDIT</button>
Jainam Minesh mehta	jainam.mmehta@gmail.com	+91989829117	0	0	Not Verified	April 14, 2023, 5:33 p.m.	<button>EDIT</button>
Haridas Bhaskaran 1	haridasbhaskaran.1163@gmail.com	+919980912192	0	200000	Verified	April 13, 2023, 10:03 a.m.	<button>EDIT</button>
seema saxena	sstradingdet@gmail.com	+917355961038	0	0	Verified	April 12, 2023, 10:55 p.m.	<button>EDIT</button>
Madhav Sharma	madhav.sharma2002.12@gmail.com	+918103611428	4	60000	Verified	April 11, 2023, 11:09 a.m.	<button>EDIT</button>
Rosalind Desai	technoligent007@gmail.com	+917261861396	0	0	Not Verified	April 7, 2023, 1:07 p.m.	<button>EDIT</button>
Kshitij Gupta 1	kgupta00007.kg@gmail.com	+917275007091	0	0	Verified	April 6, 2023, 11:35 p.m.	<button>EDIT</button>

# UI for Real Estate



# Real Estate Frontend

The screenshot displays the Lendpartnerz Real Estate Frontend interface. The top navigation bar includes a logo, a search bar, and tabs for "INVOICES", "Real Estate", and "BONDS". The user profile "Muteeb Bhat" is visible on the right. The left sidebar features a dark blue background with icons and links for "Dashboard", "Investment Deals" (which is selected and highlighted in yellow), "Balances", "My Investments", "FAQ & Contact Us", "Refer & Earn", and "Test Api's". The main content area shows two identical investment deal cards for "Lodha IT Think" located in "Hinjewadi, Pune". Each card features a thumbnail image of a person standing on a cliff edge overlooking a valley, followed by the project name, location, and key financial metrics: Asset Value (₹50,00,000), Gross Yield (14%), IRR (15%), and an "Invested Amount" progress bar at 70% funded (₹0 to ₹50,00,000). Below each card are two orange buttons: "View" and "Join Waitlist". The overall design is clean and modern, using a white background with blue and orange accents.



# Real Estate Frontend

**LENDPARTNERZ**

Overview

Lodha IT Think  
Hinjewadi, Pune

Deal Information Company Information

Gross Yield: 14% | Target IRR: 15% | Target Multiple: 15%

Repayment On: 2023-09-05 | Lock in Period: 5 Years

Asset Type: Commercial | Asset Value: ₹ 50,00,000/-

Invested Amount: ₹ 0 - ₹ 50,00,000  
50% Funded

Min - ₹10lac, Max - ₹25lac  
Enter or choose an amount to invest: 200000

Suggestions for you: ₹ 10,00,000 | ₹ 20,00,000 | ₹ 40,00,000

Investment Amount: ₹ 2,00,000/- | Token Amount: ₹ 20,000/-

Buy Now

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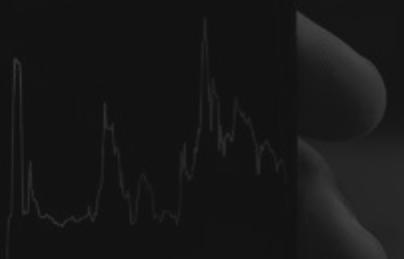


# Internship Objectives

Investing

\$38,149.69

▲ \$17,615.24 (85.78%) Past Year





# Internship objectives



## Optimization

Developing new or enhance the current feature of the project.



## Hands-on Experience

Hands-on experience with IT tools, project management methodology, business analysis, quality assurance and change management.



## Better Coder

Outsize effect on my programming because it involves so much more programming than you do in classes.



03

## Methodology Followed

**django**

---

Django



JavaScript



jQuery

---

**AJAX**

---

Ajax



PostgreSQL

---



API's



# Key Suggestions



## Refined Code

Code Refinement improves the quality and performance of the code.



## Flow Preparation

Develop a basic flow and working before coding about any functionality taking all the conditions into consideration

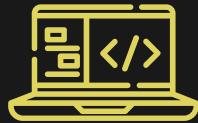


## Use Case Testing

Run any existing use cases before presenting and pushing the code.



# Key Learnings



## Version Control

Using a version control system - properly

## Maintainable code

Knowing that the code you write will be read, understood, and improved/changed by someone else (or even yourself) in the future makes you write code that's maintainable.

## Large codebase

Back in college, we used to work on projects that had like 15 - 20 files or so. Built in under a week, the whole project could be understood in a few hours.

# 04

## Action Plan for Remaining Period



### DBS Portal Integration

Integration of DBS Payment Gateway  
replacing Razorpay.



### Bonds

Inclusion of Bond Investing in the  
incoming months.

\*

# Thank You

