

PeerHire: A Peer to Peer college based Freelancing Network

*Summer internship submitted to
Indian Institute of Technology Kharagpur for the degree of Bachelor of Technology*

in
Civil Engineering
by
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20CE10075



DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY
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Connecting the next generation of skilled freelancers

OUR MISSION

Revolutionizing freelancing for college students by fostering trust, community, and fair opportunities. Empowering students to showcase talents, gain work experience, and earn while studying.

PROBLEM

College students face challenges when it comes to earning money through freelancing:

- Difficulty in getting the first client on popular freelancing websites.
- Lack of trust and faith in freelancers.
- High commission rates that eat into earnings.
- Limited local networks for finding reliable clients.





SOLUTION

➤ Approach:

PeerHire introduces a comprehensive solution by establishing a dedicated peer-to-peer freelancing ecosystem exclusively for college students.

➤ Service Offering:

Students with skills in web development, graphic design, content writing, tutoring, and more can list their services on the platform, creating a marketplace of diverse expertise.

➤ Local Network:

The platform's localized approach addresses the trust issue by connecting students within the same college community, fostering familiarity and reliability.

JUSTIFICATION OF PAYMENT

➤ Trust and Familiarity

Customers are willing to pay for PeerHire's solution because it offers a secure environment where freelancers and clients share a common college background. This familiarity mitigates concerns about hiring unknown freelancers.

➤ Lower Commission Rates

PeerHire's unique selling point lies in its commission rates, charging only 5-10% of the total project cost. This competitive rate ensures that both service providers and clients retain a significant portion of their earnings, making the platform financially attractive.

➤ Mutual Benefit

College students are motivated to pay for PeerHire's services as it not only provides access to reliable freelancers but also allows them to support fellow students by hiring their services. This reciprocal arrangement enhances the sense of community and justifies the cost.

MARKET POTENTIAL

College students represent a significant portion of the freelance market, offering diverse skills and cost-effective services.

The freelance market is growing rapidly, with an increasing number of businesses and individuals seeking freelancers for various services.

Market research indicates a strong demand for affordable, reliable, and community-focused freelance platforms like PeerHire.

Business model

- PeerHire generates revenue through a commission fee of 5–10% on each project completed on the platform.
- As the platform scales, additional monetization opportunities can be explored, such as premium features or targeted advertising.

PROJECTS AND TASKS

Development of PeerHire Website

- Landing Page
- Registration and Login
- Dashboard
- Project List and Creation
- Bidding and Messaging
- User Profiles and Managements
- Support, About and Policies

Social Media management and surveys

- Establishing PeerHire's Social Media Presence
- Conducting Awareness Campaigns
- Collecting User's Feedback Through Survey



Full Stack Development Overview

➤ Frontend Development:

- Building User-Facing Components
- Technologies: React.js and SCSS
- Interactive Web Pages and Components

➤ Backend Development:

- Server-Side Components and Logic
- Technologies: Node.js and Express.js
- Creation of RESTful APIs

➤ Data Base Management:

- Efficient Data Storage and Retrieval
- Utilized MongoDB
- User Profiles, Projects, and Data Management

```
import React from 'react';

function MyComponent() {
  return (
    <div>
      <h1>Hello, World!</h1>
      <p>This is a React component.</p>
    </div>
  );
}
```

```
export default MyComponent;
```

```
const express = require('express');
const router = express.Router();

// User registration endpoint
router.post('/register', (req, res) => {
  // Handle user registration logic here
});
```

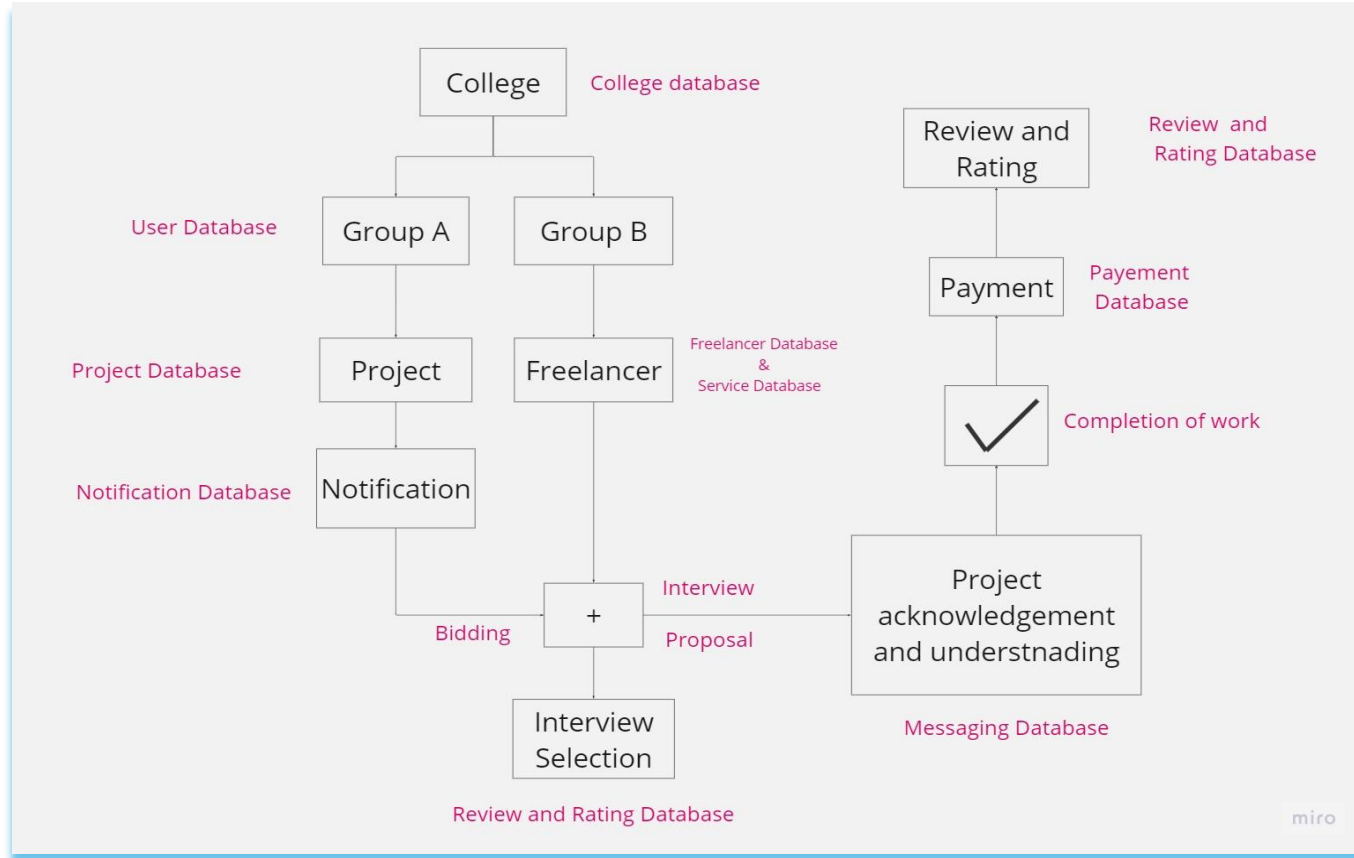
```
module.exports = router;
```

```
.button {
  background-color: #007bff;
  color: #fff;
  padding: 10px 20px;
  border: none;
  border-radius: 5px;
  cursor: pointer;

  &:hover {
    background-color: #0056b3;
  }
}
```

```
{
  _id: ObjectId("12345"),
  username: "john_doe",
  email: "john@example.com",
  ...
}
```

Flow Chart



Landing Page



PeerHire

Why PeerHire ▾

About Us

Contact

Search by project or talent

Project ▾

Search

Log In

Sign Up

Build, Learn, Grow Together

Empowering college students to earn, learn, and connect through PeerHire.

Get Started



Fast and Efficient

Get your tasks done quickly and efficiently with our streamlined platform.



Trusted Freelancers

Connect with reliable college students who have been verified and rated by their peers.



Affordable Pricing

Enjoy competitive rates and eliminate high commission fees found on other platforms.

Landing Page

Explore Our Services

Browse talent by category

Development & IT

★ 4.85/5

1853 skills

AI Services

★ 4.8/5

294 skills

Design & Creative

★ 4.91/5

968 skills

Sales & Marketing

★ 4.77/5

392 skills

Writing & Translation

★ 4.92/5

505 skills

Admin & Customer Support

★ 4.77/5

508 skills

Finance & Accounting

★ 4.79/5

214 skills

Engineering & Architecture

★ 4.85/5

650 skills



Discover Your Freelancing Potential



Register and browse professionals

Explore a pool of talented college students, ready to deliver exceptional work.



Post a job and hire top talent

Finding the perfect freelancer is easy. Post a job or let us help you find the right fit.




Work with the best—without breaking the bank

Enjoy high-quality services at competitive rates, saving you time and money.


[Sign up for free](#)

[Learn how to hire](#)

Registration and Login



Unlock Your Potential. Join Us Today!



or

Select Country

▼


Select State

▼

☐ I agree to the Terms and Conditions

Submit

[Already have an account? Log In](#)



Sign Up

About Us

Contact

Empowering college students to earn, learn, and grow with PeerHire.


Get Started

Project

Search


Log In

Sign Up



Welcome Back

Please enter your details to sign in.




or


☒ Remember me for 30 Days [Forget Password](#)

Sign In

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



Log in



PeerHire

Find Work


Projects

Messages

Search by project or talent

Project

Search



Sumit Nirmal (20CE10075)

MERN Full Stack Developer

Profile Completeness: 75%

Profile Visibility: Public

Peer Visibility: All Colleges

My Categories

Ecommerce Development

Web & Mobile Design

Blockchain, NFT & Cryptocurrency


Mobile Development

Web Development

Unleash Your Creativity

Bring your ideas to life with the perfect team of freelancers.

Create Project



Search for projects

Projects you might like

Best Matches

Most Recent

Saved Projects

Front-end Developer

5 Bids

100 ₹

2 hours ago

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More

React

JavaScript

HTML

CSS

Sumit Nirmal (20CE10075)

Indian Institute of Technology, Kharagpur, India

Front-end Developer

5 Bids

100 ₹

2 hours ago

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More

React

JavaScript

HTML

CSS

Sumit Nirmal (20CE10075)

Indian Institute of Technology, Kharagpur, India

Front-end Developer

Here you can search project by inputting any keywords, you can also select categories, project type and budget range.

Project List and Creation

Create a Project

Project Details

Choose a name for your project *

Tell us more about your project *

Start with a bit about yourself or your business, and include an overview of what you need done.

Select Category which fit your project requirements *

What skills are required? *

Enter up to 5 skills that best describe your project. Freelancers will use these skills to find projects they are most interested and experienced in.

Payment Method

☒ Fixed Price ☐ Hourly Price

Estimated Budget (INR)

Tags

Enter the tags separated by commas.

Create Project

Tips!

- ✓ Enter a brief description of the company and job.
- ✓ Add your company logo.
- ✓ Choose the correct category and sub-category of the job.
- ✓ Check again before submit the job.



Here you can create your project by giving only name, description, category, skills needed, project type and tags

Project Details

Project Details

<h3>Project Management with Finance</h3> <p>Business, Accounting & Legal Posted 11 months ago</p>	<div>Apply Now</div> <div>Save Project</div>
<p>Here are the requirements (explanation video):</p> <p>https://watch.screencastify.com/v/qkitzbxSVNScTI4xCiXF</p> <p>Write a pine script</p> <p>There are sets of alerts as below Alert 1 buy, alert 1 sell, alert 2 buy, alert 2 sell, alert 3 buy, alert 3 sell,</p> <p>once any alert from set one is triggered, pause that set and activate the next set</p> <p>only issue I am facing is that, it should stop trading for the day if there signal close (on the next signal) and there is profit in the account for the day. it should stop trading, and not activate the next alerts for the day.</p>	<h3>About the client</h3> <p>Sumit Nirmal (20CE10075)</p> <p>★★★★☆ 4.5 of 51 reviews</p> <p>Indian Institute of Technology, Kharagpur</p> <div>Verified Account</div>
<p>₹1500 Fixed-price</p>	<h3>Project Link</h3> <div>https://peerhire.online/project/23</div> <div>Copy Link</div>
<h3>Skills and Expertise</h3> <div>Accounting Consulting Excel Legal Legal Writing</div>	
<h3>Activity on this job</h3> <p>Bids: 2</p>	

You can see here the details of any project and also save and share link of the Project

Proposal and Bidding

Place a Bid

Project Name

Project Management with Finance

Project Duration

Select Duration

Select the estimated time it will take you to complete the project.

Cover Letter

Write a compelling cover letter to introduce yourself and explain why you are the right candidate for this project.


Attachments

Drag or upload project files

No file selected

Drag or upload any relevant files or supporting documents that can help the client understand your bid better.

Biddings

Live Proposals	Bid	 45 seconds ago
1st place	₹300	2 minutes ago
2nd place	₹440	13 hours ago
3rd place	₹450	6 hours ago
4th place	₹480	5 hours ago
5th place	₹500	9 minutes ago

Enter bid amount

Enter the amount you'd like to bid for this job.

Place Bid

Here you can submit proposal and set you bid with your duration and cover letter

My Projects

My Projects



Status



Project Management with Finance Under Development

🕒 52 days ago

5

Bids

200 ₹

Avg. Bid

1000 ₹

Fixed Price



Manage Bidders



Close Project

Project Management with Finance Completed

🕒 54 days ago

10

Bids

300 ₹

Avg. Bid

1500 ₹

Fixed Price



Manage Bidders



Close Project

Project Management with Finance Open

🕒 54 days ago

10

Bids

300 ₹

Avg. Bid

1500 ₹

Fixed Price



Manage Bidders



Close Project

Project Management with Finance Completed

🕒 54 days ago

10

Bids

300 ₹

Avg. Bid

1500 ₹

Fixed Price



Manage Bidders



Close Project

Messaging and Chat panel

The screenshot displays the PeerHire web application interface, divided into a main content area and a right-hand chat panel.

Main Content Area:

- Header:** Includes the PeerHire logo, navigation tabs for "Find Work", "Projects", and "Messages", a search bar labeled "Search by project or talent", and a "Project" dropdown with a "Search" button.
- Project Description:** A text block stating: "only issue I am facing is that, it should stop trading for the day if there signal close (on the next signal) and there is profit in the account for the day. it should stop trading. and not activate the next alerts for the day."
- Price:** A badge indicating "₹1500 Fixed-price".
- Skills and Expertise:** A section with tags for "Accounting", "Consulting", "Excel", "Legal", and "Legal Writing".
- Freelancers Bidding (2):** A list of bidders. The first bidder is "John Doe" with a 4.5/5 rating (5 stars) and a bid of "350 ₹ in 7 days". Below the name is a dropdown menu showing "Proposal Documents". At the bottom of the bidder card are two buttons: "Accept Offer" and "Chat Now".

Chat Panel (Right Side):

The chat panel is currently showing a conversation with "Jane Smith", who is "Online".

- Header:** Displays the contact's name "Jane Smith" and status "Online" with a close button (X).
- Messages:**
 - Incoming message (grey bubble): "Hello, I'm interested in your project." (10:50 PM)
 - Outgoing message (blue bubble): "Sure! Can you please provide more details?" (now)
- Input Area:** A text field labeled "Type your message..." with a "Send" button and a paper plane icon for attachments.

Bottom Section:

This section shows a sidebar for "Search freelancers" with a list of results:

- Sumit Nirmal:** Online (highlighted in blue)
- Pubali Pal:**

The main chat area below the sidebar is currently empty, showing the header for "Sumit Nirmal" (Online) and the input area with the "Type your message..." field and "Send" button.

These are the screen of Chat panel and message box, from here a client can chat with any freelancer and also can send the attachments

Achievements And Contributions

1

Skill Gained

- Mastery of Full Stack Development Technologies
 - Enhanced Problem Solving Abilities
 - Improved Team Collaboration and Communication
-

2

Impact on Organization

- Development of a Dynamic and Functional Freelancing Platform
- Positive User Feedback and High User Engagement
- Valuable Insights for Future Platform Enhancements
- Increased Awareness and Visibility of PeerHire in the Academic Community

The background of the image is a photograph of a call center or office environment, overlaid with a semi-transparent blue filter. Several people are visible, some wearing headsets, working at desks with computers. The text is centered over this background.

PeerHire

Thank you