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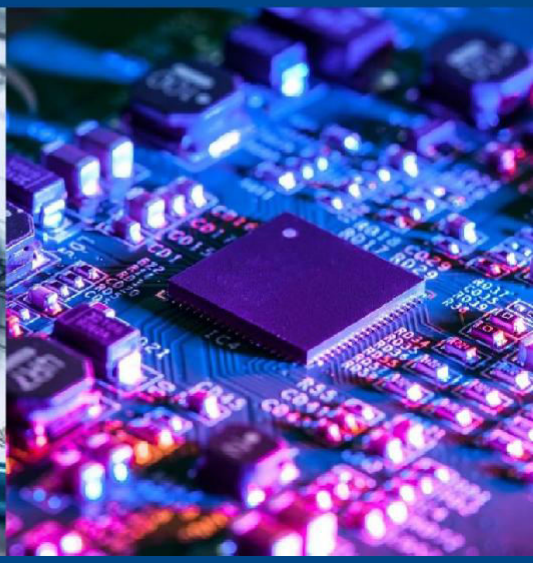

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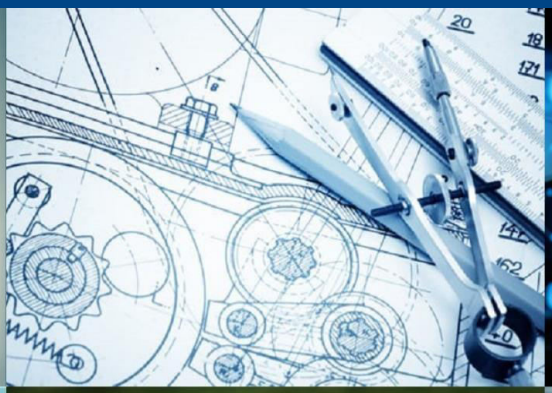

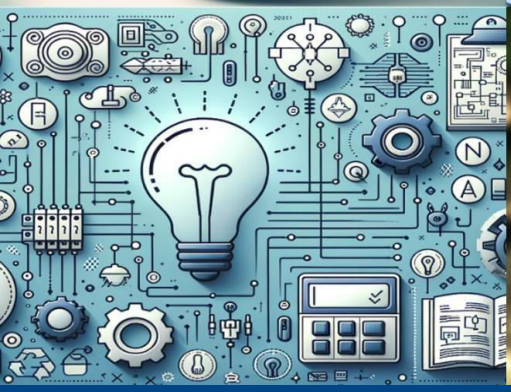

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Intern Swipe

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ABSTRACT: Intern Swipe is an innovative web application that modernizes professional networking and internship matching through an engaging, swipe-based interface inspired by platforms like Tinder.

Users begin with a secure login system featuring email-password authentication and OTP verification for safe access. After logging in, they complete a profile with details like name, age, gender, contact number, and a brief description.

On the home page, users can browse other profiles displayed as swipe cards, swiping left to express interest which sends a connection request or right to reject a profile. A match is formed when both users mutually accept connection requests. The platform includes a Connections page, allowing users to manage incoming requests and decide whether to accept or decline them, empowering individuals to curate their professional networks. Matched users gain access to an integrated chat module, enabling direct and seamless communication within the platform.
To enhance user experience and monetize the service, Intern Swipe integrates a payment module via Razorpay, offering premium memberships. Premium users enjoy increased daily swipe limits, while free users are limited to ten swipes per day.

By merging the familiar swipe mechanics of social apps with professional networking, Intern Swipe offers a dynamic, user-friendly solution for internship seekers and professionals looking to expand their connections in a secure, interactive environment.

I. INTRODUCTION

In today's competitive landscape, building professional connections and finding relevant internships is a major challenge for students and early-career professionals. Traditional job portals often lack interactivity, user engagement, and streamlined matchmaking features. To address these limitations, Intern Swipe presents a novel approach by combining professional networking with the intuitive design of swipe-based social platforms like Tinder.

The platform allows users to create profiles, browse other users, and make connection requests through an interactive card-swipe interface. With secure OTP-based authentication, real-time chat for premium users, and payment integration via Razorpay, Intern Swipe offers a dynamic, secure, and modern solution tailored to internship seekers and network builders. The application's structure is designed to be user-centric, scalable, and monetizable, making it a compelling tool for professional growth in the digital age.

II. LITERATURE SURVEY

[1] Existing platforms like LinkedIn and Internshala have transformed internship discovery and professional networking but often rely on static, form-based interfaces that lack interactivity and appeal to younger users. Recent studies show that swipe-based models, inspired by applications like Tinder, significantly enhance user engagement through intuitive and gamified interaction. However, their application in professional platforms remains limited.

[2] Secure authentication is another critical aspect. Combining email-password login with OTP (One-Time Password) verification ensures a higher level of security and user trust, mitigating unauthorized access risks. For communication, real-time chat systems are typically implemented but are often gated behind premium access. Research supports that this monetization strategy can sustain engagement while generating revenue.

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[3] Furthermore, integration with payment gateways like Razorpay streamlines premium upgrades and improves conversion rates by offering flexible access models. The use of tiered features such as limited swipes for free users and expanded features for premium users has proven effective in maintaining platform viability.

[4] Intern Swipe is built using the MERN stack, a modern full-stack JavaScript framework ideal for building scalable, responsive web applications. By integrating swipe interaction, secure login, chat functionality, and premium monetization, Intern Swipe addresses key gaps in existing platforms and offers a unique, engaging experience for internship seekers.

EXISTING SYSTEM

Current internship and networking platforms, such as LinkedIn and Internshala, primarily rely on static profile-based systems and job listings. These platforms offer basic connection features but lack interactive user experiences. Matches are usually one-sided, and user engagement is limited due to conventional interfaces. Communication between users is often restricted unless both parties connect or upgrade to premium versions. Moreover, personalization and dynamic matchmaking based on user behavior are minimal. Most systems do not leverage swipe-based interaction, making them less appealing to younger users familiar with modern social media app interfaces.

PROPOSED SYSTEM

The proposed system, Intern Swipe, introduces a dynamic and engaging approach to internship matching and professional networking through a swipe-based web platform. Inspired by modern social applications, the system allows users to browse profiles in a card format, swiping to express interest or skip. A secure login system with OTP verification ensures safe access, while user registration captures essential personal details. Upon mutual interest, users are connected and can communicate via an integrated chat module available to premium users. The platform limits daily swipes for free users and integrates Razorpay for seamless premium upgrades. Built using the MERN stack, Intern Swipe delivers a responsive, scalable, and user-centric solution that blends social interaction with career development.

III. SYSTEM ARCHITECTURE

The Intern Swipe architecture is based on the MERN stack, combining MongoDB for database management, Express.js and Node.js for backend services, and React.js for a dynamic frontend interface. The system includes secure user authentication with OTP verification, profile registration, and a swipe-based matching engine. A RESTful API handles user actions like swipes, connections, and chat access. Razorpay integration manages premium transactions, while the chat module facilitates real-time communication for matched users. The architecture is modular, scalable, and optimized for performance, ensuring seamless interaction between client and server components across all core functionalities.

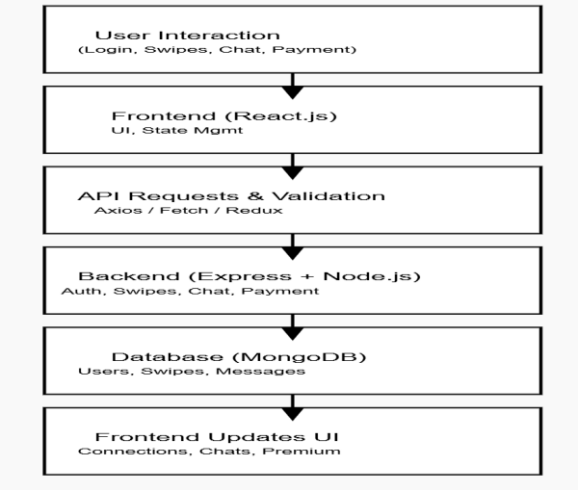

Fig3.1System Architecture

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IV. METHODOLOGY

The development of *Intern Swipe* follows an agile methodology to ensure iterative improvements and user-centric design. Initially, user requirements were gathered and analyzed to define core features like authentication, swipe-based matching, chat, and payments. The frontend was developed using React.js for a responsive and interactive interface, while Node.js and Express.js powered the backend logic. MongoDB was used for storing user data, swipe actions, and connections. OTP verification was implemented for secure login, and Razorpay was integrated for managing premium subscriptions. Extensive testing was conducted at each stage to ensure functionality, security, and performance. The final system offers a smooth, engaging experience that blends networking with intuitive interaction, targeted at internship seekers and professionals.

V. DESIGN AND IMPLEMENTATION

Intern Swipe adopts a modular, scalable architecture to support robust performance and streamlined maintenance. The frontend is developed using React.js, offering a dynamic and responsive user interface. The swipe-based card system, inspired by modern social networking platforms, enables intuitive navigation and interaction. The backend is powered by Node.js and Express.js, which handle routing, API endpoints, business logic, and secure user authentication.

User data, swipe activity, matches, and chat logs are stored in MongoDB, a NoSQL database known for its flexibility and high performance. The platform implements a secure login system featuring OTP verification to ensure authenticated access.

A Connections module allows users to manage incoming requests and view matches. Communication is enabled through a chat module, available exclusively to premium users. Payment for premium features is facilitated through seamless integration with Razorpay, allowing secure and fast transactions.

Each component of the system—frontend, backend, database, and third-party integrations—was developed and tested in isolation before full integration. This modular approach ensures a smooth user experience, simplified debugging, and future scalability. Overall, the architecture supports a secure, interactive, and engaging platform tailored for internship seekers and professionals.

VI. RESULT AND DISCUSSION

The *Intern Swipe* platform demonstrated a successful implementation of a modern, swipe-based system for internship matching and professional networking. During testing, users responded positively to the intuitive design, with the swipe-card interface proving more engaging than traditional list-based platforms. The secure login mechanism using OTP verification significantly improved user trust and account safety. Razorpay integration provided a seamless experience for premium membership payments, and the upgraded access to features like unlimited swipes and real-time chat further enhanced the value for premium users.

The chat module functioned efficiently and was limited to users with premium accounts, which aligned well with the platform's monetization model. The backend performed reliably under user load, while MongoDB facilitated smooth data handling for user profiles, connections, and chat logs. The frontend, built with React.js, delivered responsive performance across various devices and browsers. User feedback praised the simplicity, functionality, and speed of the platform, indicating high satisfaction levels.

Overall, *Intern Swipe* achieved its primary goals by combining professional networking with social interactivity, creating a unique, scalable, and secure environment for internship seekers and early-career professionals.

VII. CONCLUSION

Intern Swipe presents an innovative approach to internship matching by combining professional networking with a swipe-based interface. Developed using the MERN stack, the platform ensures secure access, dynamic interaction, and an engaging user experience. Features such as OTP-based login, profile-based swiping, premium subscriptions, and real-time chat offer both functionality and monetization potential. The system effectively addresses the limitations of

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conventional internship platforms by promoting user engagement and controlled networking. Overall, Intern Swipe stands as a modern, scalable solution tailored to students and professionals seeking meaningful internship opportunities in an interactive and secure environment.

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