

# Archinnection

## Connecting architects with passion

### Abstract

ARCHINNECTION is a specialized web platform designed that connect architects with architecture firms, it is inspired by professional networking sites like LinkedIn. It caters specifically to the architectural community, offering tools that support both career development and recruitment.

Users can create detailed profiles, showcase portfolios, and explore opportunities through job listings, internships, and direct recruitment channels. This website is quite helpful for fresh graduates since it helps them secure job placement and gain exposure in the industries. It also offers a chance for experienced architects to collaborate with the companies looking for specific knowledge and expertise in the architectural field.

Architecture firms benefit by accessing a focused pool of talent, sorting through profiles, looking through portfolios and posting job or internship opportunities targeted towards their requirement. Targeting simplifies the recruiting process and brings better visibility to the individuals and firms.

ARCHINNECTION promote collaboration amongs industries and professional growth by providing a common place to network, identify skills and recognize talent. It promotes a modern, efficient approach to career-building in architecture, where creativity and technical skill can be shared, discovered, and appreciated.

By bridging the gap between talent and opportunity, ARCHINNECTION is set to transform how architects and firms engage and grow in the digital age.

### Introduction

The architecture profession is inherently built on visual communication, creativity, and collaboration. While most professions do not anticipate professionals to have portfolios of their design sensibility, execution capability, and experience with projects, architects must.

Professional platforms like LinkedIn or Behance are too broad or too specific in application for architecture. LinkedIn is a popular networking website but lacks in visual storytelling, while Behance is abundant with imagery but void of recruitment features. Having experienced this absence, ARCHILINK was born as a hybrid portal that integrates networking, recruitment, and portfolio showcasing. It presents an open virtual space wherein students, professionals, and architecture offices can meet and build each other. ARCHILINK is not merely a job board or a social network but an ecosystem that exists to empower architectural minds and industry-level collaboration.

### Problem Statement

The profession of architecture lacks one, online platform that is tailored to its own professional requirements. Professional networking is facilitated by sites like LinkedIn and innovative portfolios are showcased by Behance, but neither of them is a good enough solution to architecture-specific recruitment, skill authentication, or collaboration. That is a fragmentation

that produces lost opportunities, ineffective recruitment loops, and insufficient exposure for both new and experienced architects. Architecture firms typically have to sort through generic resumes manually or rely on unofficial networks to find suitable candidates. At the same time, new graduates and career seekers lack chances to become established, showcase their portfolios well, and get to know future employers.

The absence of an aesthetically pleasing, interactive, and central website hinders efficient professional communication among the fraternity of architects. There is a pressing need for an online platform that integrates portfolio sharing, networking, recruitment features, and industry interaction in one place. ARCHINNECTION, as proposed by this report, is a solution to overcome these deficiencies, an architecture-specific platform that promotes career growth, talent discovery, and industry collaboration.

## Objectives

- To establish a professional digital network specifically dedicated to the needs of architects and design professionals.
- To provide placement and internship exposure to students and recent graduates.
- To assist architecture firms in identifying, analyzing, and recruiting architectural talent efficiently.
- To enable resume exchange, portfolio, credentials, certifications, and design philosophies.
- To encourage collaboration, knowledge sharing, and professional development among architecture professionals.
- To simplify and automate hiring procedures but also provide a platform that honors visual and creative presentation.

## Literature Review

Professional architects now employ a variety of platforms to address a variety of needs: LinkedIn for networking, Behance for looking at portfolios, Archinect for news and job listings. But fragmentation produces inefficiencies and suppression of an integrated professional identity. Research has found that niche professional networks are more active and pertinent because of their customized functionalities. A survey of creative industry professionals and their tools indicates the need for converged platforms. Accordingly, there lies a broad market vacuum for a converged, architecture-focused network and recruitment solution. ARCHILINK is poised to incorporate portfolio display, firm networking, job seeking, and community engagement—thus emerging as a one-stop shop.

## System Analysis

### 4.1 Current System

- Generic sites don't cope with visual portfolios.

- Severed recruitment, manual sorting and email follow-up.
- Poor exposure for new entrants in the field.
- No feedback or interaction after application.

## 4.2 Proposed System

- Complete user profiles with interactive portfolios.
- Architect firm profiles with project highlight and team introduction.
- Jobs and internship boards with skills and location tag.
- Real-time application dashboards with interview management.
- Design discussion forums, mentoring and collaboration.

Feature	LinkedIn	Behance	ARCHINNECTION
Visual Portfolio	✗	✓	✓
Recruitment Tools	✓	✗	✓
Architecture Focus	✗	⚠ (Partially)	✓
Internship Listings	⚠	✗	✓
Messaging & Notifications	✓	✗	✓

# System Design

## 5.1 Frontend

- Technologies: next.js, next.js server function, Styling-css, tailwind css
- Responsive layout with modular UI components.
- Interface includes dashboards for users, firms, and administrators.

## 5.2 Backend

- supabase(database)
- Express.js for routing and API logic
- MongoDB for user, job, and portfolio data storage

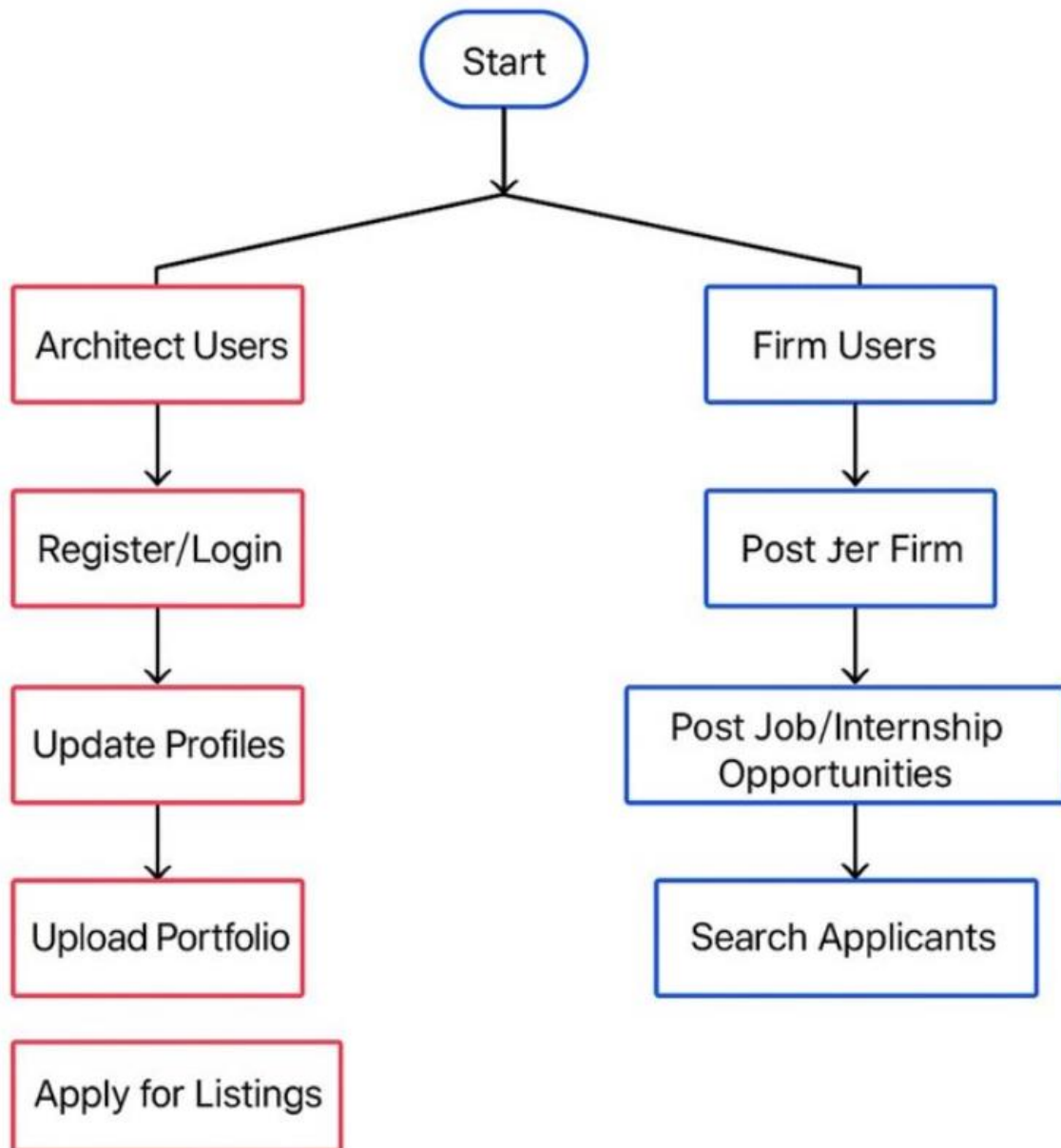
## 5.3 Modules

- Authentication: Role-based login (User, Firm, Admin)
- Profile Builder: Education, experience, portfolio uploads
- Recruiter Dashboard: Post jobs, view applicants, schedule interviews
- Messaging: Direct chat and automated alerts
- Admin Tools: Content moderation, analytics, user support

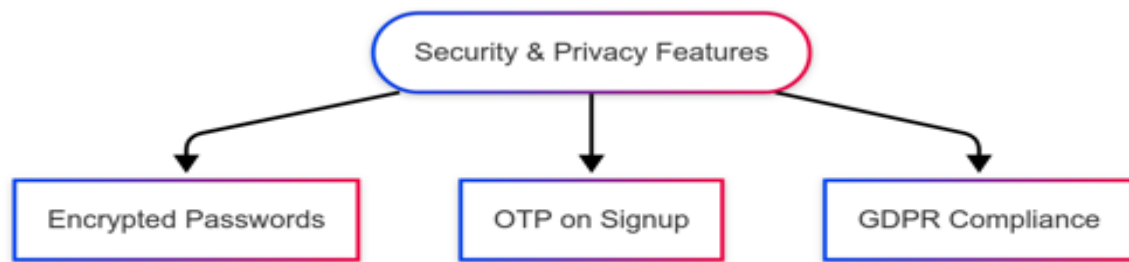
# Implementation

Implementation is based on a role-interaction model:

- Architect Users: Register, login, update profiles, upload portfolio, apply for listings.
- Firm Users: Register firms, post job/internship opportunities, search applicants.
- Admins: Process reported content, review for platform compliance, process announcements.



Security features are also present through encrypted passwords, OTP on sign-up, and data privacy features as per GDPR compliance. UI has been done in such a way that visual hierarchy and usability is given utmost importance, especially for creative portfolios.



## Features of ARCHINNECTION

- Rich candidate and firm profiles with project image galleries, PDFs, and embedded videos
- Firm pages of architecture firms with culture descriptions and job openings
- Intelligent recommendation system for candidates and jobs by skills, location, and experience
- Student internships, with university-level tracking for placement cells
- Interview scheduling and applicant tracking integrated in the system
- Messaging between firms and users with in-app notifications
- Design inspiration community feed, competitions, news, and trends
- Review and rating system after recruitment

Testing and Evaluation Large-scale testing in phases was carried out:

- Unit Testing: Test modules individually for functionality check.
- Integration Testing: Modules communicating with each other for testing data flow and dependency.
- User Testing: Pilot test (10 students, 3 firm representatives) gave positive indications of very high demand, intuitive, easy-to-use character, and appropriateness.
- Load Testing: Simulated concurrent users to be tested for system performance and database optimizations. Pilot deployments in the future are to be conducted in academic organizations and architecture workshops to gain further insights.

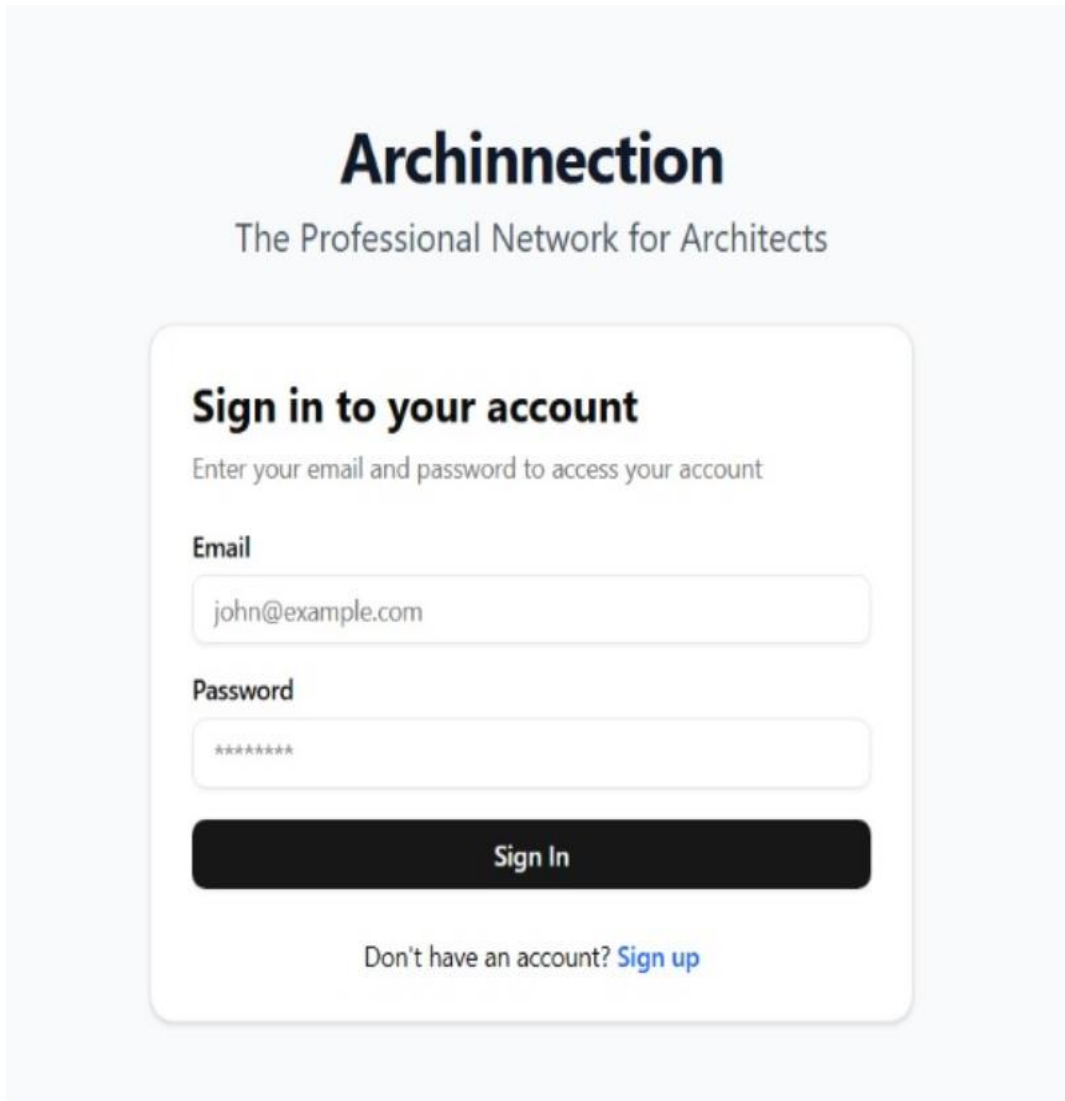
## Advantages and Limitations

Advantages:

- Niche-targeted platform tailored to a specific professional group.
- High engagement due to visually appealing and relevant content.
- Simplified and efficient recruitment pipeline.
- Supports early-career development and continuous learning.

## Limitations:

- Early stages may face limited user base and firm adoption.
- Portfolio media hosting requires scalable and potentially costly storage solutions.
- Reliance on active user participation for community and collaboration modules.

A login form for 'Archinnection', described as 'The Professional Network for Architects'. The form is titled 'Sign in to your account' and prompts the user to 'Enter your email and password to access your account'. It features two input fields: 'Email' with the placeholder 'john@example.com' and 'Password' with masked characters '\*\*\*\*\*'. A black 'Sign In' button is positioned below the fields. At the bottom, a link for users without an account is provided: 'Don't have an account? [Sign up](#)'.

# Archinnection

The Professional Network for Architects

## Sign in to your account

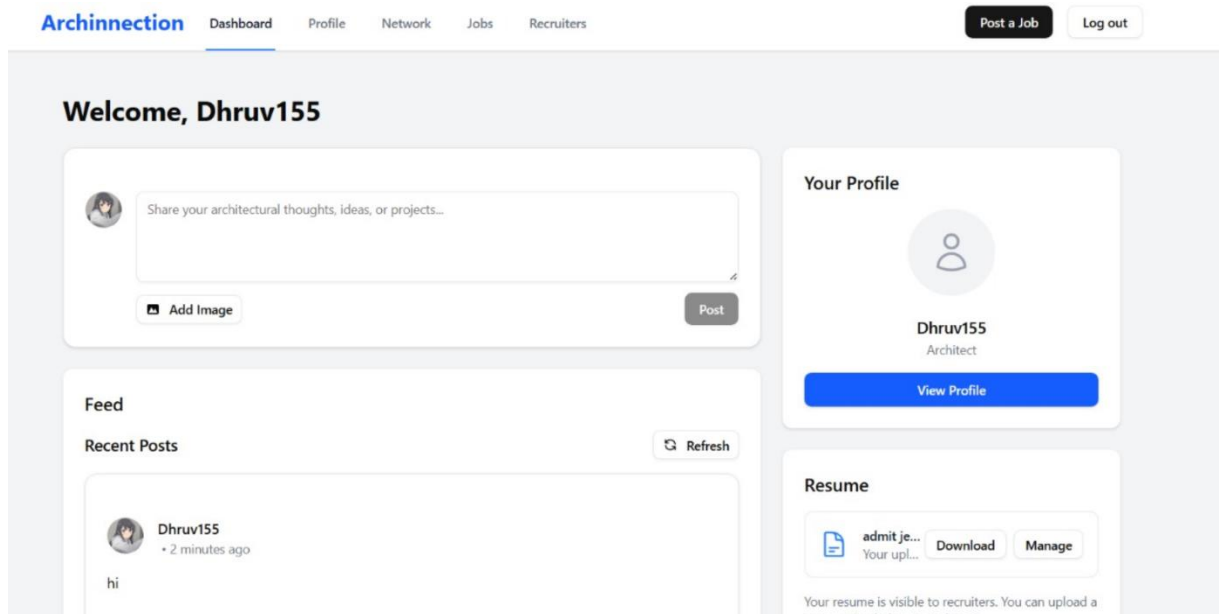
Enter your email and password to access your account

Email

Password

**Sign In**

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



## Future Enhancements

- AI-based portfolio evaluation and skill tagging
- Video resumes and project walkthroughs
- Third-party API integration with tools like AutoCAD, SketchUp, and Revit
- International job listings and freelance project bidding
- Mobile application for Android and iOS
- VR-based project viewing for immersive firm previews
- Multilingual support for global accessibility

## Conclusion

ARCHINNECTION is a leading architecture platform. It is attuned to the unique responsibility of architects to perceive opportunity and to promote their work. In bridging the gap between opportunity and ability and making available a platform that employs visual and interactive language with architects, ARCHINNECTION is attempting to transform career growth in architecture. Through steady evolution and popular acceptance, it may be the global standard platform for architectural recruitment and networking.

## References

- LinkedIn Documentation and Case Studies
- Research on Niche Professional Networks
- UX/UI Design Standards for Portfolio Platforms

- Web Development Documentation (MDN, React Docs)
- MongoDB and Node.js Official Documentation
- Behance and Archinect Platform Analyses