

ZENEX TEAM HACATHON

Web & Mobile Application Development

Problem Statement

Design and develop an Explainable Skill-Based Internship and Project Matching Platform that ranks candidates using weighted competency scoring, project requirements mapping, and fairness-aware algorithms instead of traditional keyword matching. The system should generate a transparent Match Score and provide reasoning behind each ranking decision to ensure equitable and data-driven opportunity allocation.

THIS IS OUR ANALYSIS ON THE PROBLEM STATEMENT THAT WE ARE PROVIDING IT FOR YOU SHORTLY THAT HOW WE ANALYSED THE STATEMENT STEP BY STEP:

Public Website

↓

Student registers

↓

Student fills structured skills

↓

Employee defines weighted requirements

↓

Requirements mapping engine runs

↓

Fairness filter applied

↓

Weighted score calculated

↓

Ranking generated

↓

Explainability report generated

↓

Data-driven selection

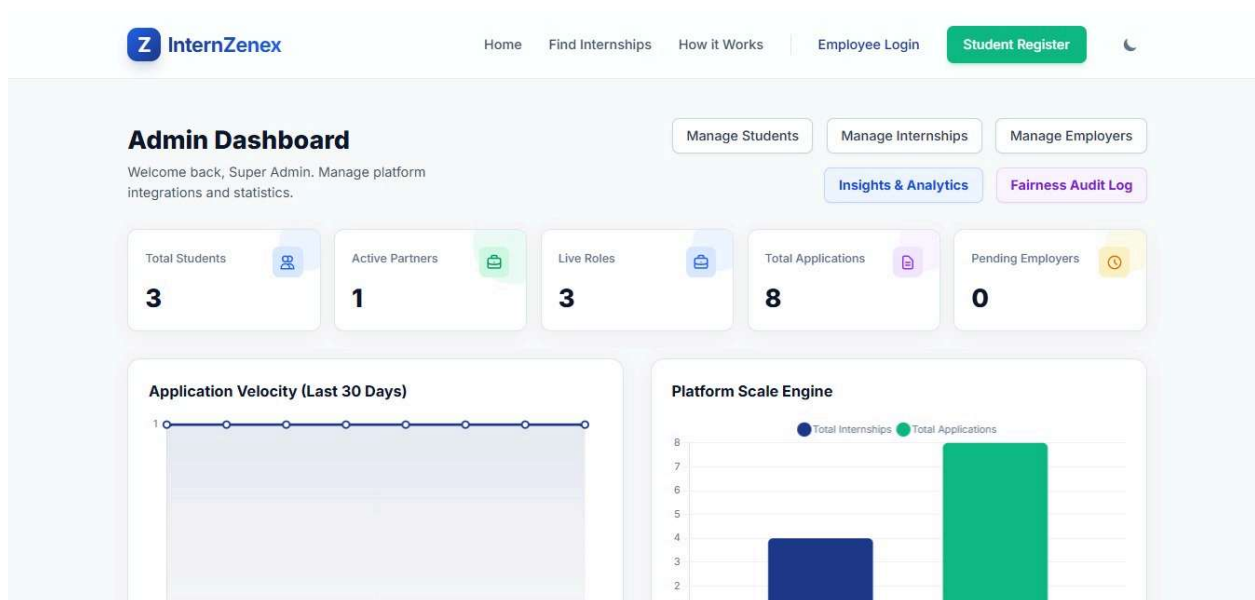
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Mail notifications sent


THIS IS OUR STARTING PORTFOLIO OF THE WEBSITE




Admin Dashboard



Student Monitoring



[Home](#) [Find Internships](#) [How it Works](#) [Employee Login](#) [Student Register](#)



Student Monitoring

View student profiles, skill summaries, and application analytics. Read-only view.

← Back to Dashboard

J

John Mock
johnmock@example.com

SKILL SUMMARY

No skills listed

Applications

3

Avg Score

N/A

DOCUMENTS

No Resume

View Application History →

J

Jane Mock
janemock@example.com

SKILL SUMMARY

No skills listed

Applications

3

Avg Score

N/A

DOCUMENTS

No Resume

View Application History →

B

Bob Mock
bobmock@example.com

SKILL SUMMARY

No skills listed

Applications

2


Avg Score

N/A


DOCUMENTS

No Resume

View Application History →



[Home](#) [Find Internships](#) [How it Works](#) [Employee Login](#) [Student Register](#)



Employer Management

Manage all corporate partners using the InternZenex platform.

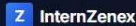
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Active Employers



Pending Employers

Rejected Employers

COMPANY / REP NAME	CONTACT EMAIL	STATUS	ROLES / INFO	ACTIONS
<div>M</div> Mock Employer Corp Joined: Feb 27, 2026	employer_mock@internzenex.com	Active	View 4 Internships	Reset Password Reject



The world's first explainable skill-based internship matching platform. We eliminate keyword bias and connect top talent with fair, transparent opportunities.

PLATFORM

[How it Works](#)
[Find Internships](#)
[Data & Transparency](#)
[For Employers](#)

LEGAL

[Privacy Policy](#)
[Terms of Service](#)
[AI Ethics Statement](#)

Platform Analytics

Platform Analytics

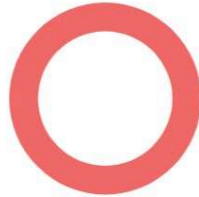
Data-driven insights into match quality, score distributions, and applicant skill gaps.

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Immutable Architecture: All matching scores and analytical data displayed below are algorithmically generated by the InternZenex AI engine. To ensure absolute compliance and fairness, Administrators cannot manually override or manipulate match scores.

Platform Match Distribution

Volume of overall applications grouped by their generated fit percentile.



● 0-20% (Poor) ● 21-40% (Weak) ● 41-60% (Fair) ● 61-80% (Good)

Average Match Quality Engine

Month-over-month trend tracking the average algorithmic score assigned to applications.

