

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



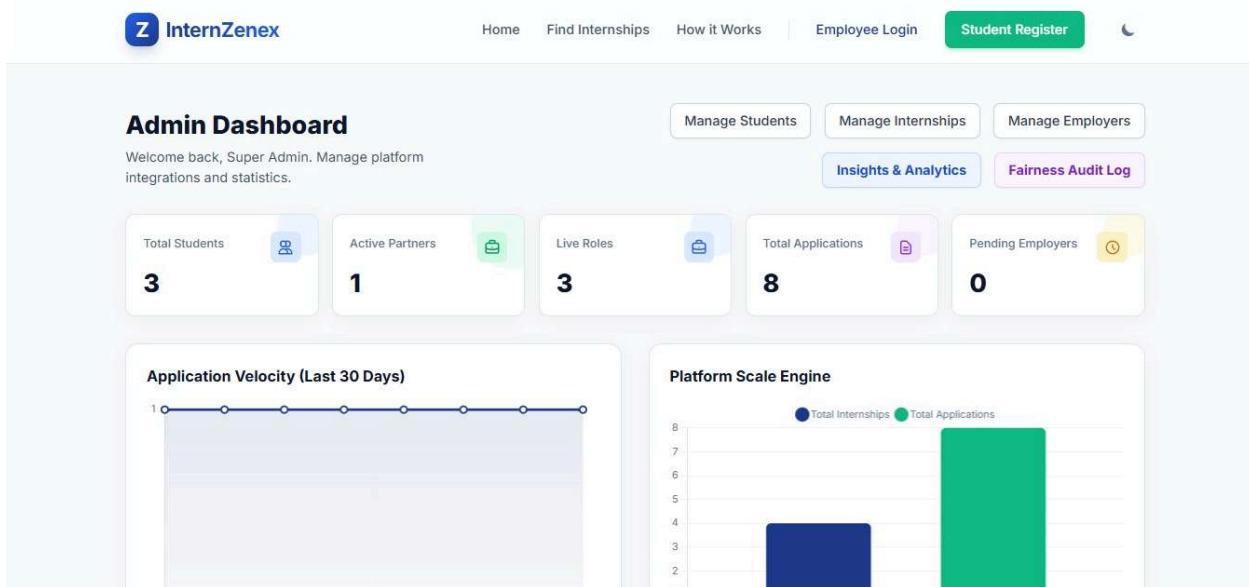
Mail notifications sent

THIS IS OUR STARTING PORTFOLIO OF THE WEBSITE



The screenshot shows the InternZenex homepage. At the top, there's a navigation bar with links for Home, Find Internships, How it Works, Employee Login, Student Register, and a dark mode toggle. Below the navigation is a sub-header with the text "The future of opportunity matching". The main title "InternZenex – Fair. Transparent. Skill-Driven Matching." is prominently displayed in large, bold, dark blue and teal font. A subtitle below the main title reads: "Data-driven opportunity allocation that eliminates keyword bias. We evaluate real competencies to connect top-tier talent with world-class employers fairly." At the bottom of the page are three calls-to-action: "Explore Internships" (blue button), "Student Register" (white button), and "Employee Login →" (text).

Admin Dashboard



The screenshot shows the Admin Dashboard. At the top, there's a navigation bar with links for Home, Find Internships, How it Works, Employee Login, Student Register, and a dark mode toggle. Below the navigation is a welcome message: "Welcome back, Super Admin. Manage platform integrations and statistics." To the right are several management buttons: "Manage Students", "Manage Internships", "Manage Employers", "Insights & Analytics", and "Fairness Audit Log". The dashboard features several key metrics: "Total Students" (3), "Active Partners" (1), "Live Roles" (3), "Total Applications" (8), and "Pending Employers" (0). Below these metrics are two charts: "Application Velocity (Last 30 Days)" showing a steady stream of applications over time, and "Platform Scale Engine" comparing "Total Internships" (dark blue bar) and "Total Applications" (green bar).

Student Monitoring

InternZenex

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	J Jane Mock janemock@example.com	B Bob Mock bobmock@example.com
SKILL SUMMARY <i>No skills listed</i>		
Applications 3	Avg Score N/A	Applications 3
DOCUMENTS <i>No Resume</i>		
View Application History →		
DOCUMENTS <i>No Resume</i>		
View Application History →		
DOCUMENTS <i>No Resume</i>		
View Application History →		

InternZenex

Home Find Internships How it Works Employee Login Student Register

Employer Management

Manage all corporate partners using the InternZenex platform.

← Back to Dashboard

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

Z InternZenex

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

[View 4 Internships](#)

[Reset Password](#) [Reject](#)

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

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

[LinkedIn](#) [Twitter](#)

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.



Average Match Quality Engine

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

