

Student Outreach and Event Management System

Team 23

For Katalyst

Problem Statement

- Students feel lost and disconnected in the process.
- Katalyst struggles to see which events truly work.
- Together, this weakens the impact of its STEM mission.



Demo/Prototype

STUDENT PORTAL

Katalyst Events

Admin Login

Available Events

Discover and apply for events that interest you

MasterCard

Event #

Hackathon 8 hour

Start: 8/26/2025

End: 8/27/2025

Pune

Apply for Event

Test Event

Event #7

Sample event

Start: 8/25/2025

End: 8/25/2025

Pune

Applied

Women in Tech Workshop

Event #1001

A comprehensive workshop covering latest trends in technology, career guidance, and networking opportunities for women in the...

Start: 9/15/2025

End: 9/15/2025

Mumbai Tech Hub, Bandra

Applied

Financial Literacy Seminar

Event #1002

Learn essential financial planning skills, investment strategies, and how to build wealth as a young professional.

Start: 9/22/2025

End: 9/22/2025

Katalyst Community Center, Pune

Leadership Development Program

Event #1003

A 3-day intensive program designed to develop leadership skills, communication abilities, and professional networking.

Start: 10/5/2025

End: 10/7/2025

Delhi Convention Center

Digital Marketing Masterclass

Event #1004

Learn digital marketing strategies, social media management, and online business development techniques.

Start: 10/12/2025

End: 10/12/2025

Virtual Event (Online)

Katalyst Events

Admin Login

Available Events

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MasterCard

Event #

Hackathon 8 hour

Start: 8/26/2025

End: 8/27/2025

Pune

Apply for Event

Financial Literacy Seminar

Event #1002

Learn essential financial planning skills,

A 3-day intensive program designed to develop

Women in Tech Workshop

Event #1001

A comprehensive workshop covering latest trends in technology, career guidance, and networking opportunities for women in the te...

Start: 9/15/2025

End: 9/15/2025

Mumbai Tech Hub, Bandra

Apply for Event

Digital Marketing Masterclass

Event #1004

Learn digital marketing strategies, social media

Go to Settings to activate Windows.

Event Registration

MasterCard

8/26/2025 -8/27/2025

Full Name *

Enter your full name

Phone Number *

Enter 10-digit phone number

College/University *

Enter your college/university name

Year of Study *

Select year of study

Field of Study *

Select field of study

Cancel

Submit Application

Atlas

Siddhesh's ...

Access Manager

Billing

All Clusters

Get Help

Siddhesh

master_setup

Data Services

Charts

+ Create Database

Search Namespaces

Overview

DATABASE

Clusters

SERVICES

Atlas Search

Stream Processing

Triggers

Migration

Data Federation

SECURITY

Quickstart

Backup

Database Access

Network Access

Advanced

Qoto

masterdb.eventapplications

STORAGE SIZE: 36KB

LOGICAL DATA SIZE: 162KB

TOTAL DOCUMENTS: 10

INDEXES TOTAL SIZE: 72KB

Find

Indexes

Schema Anti-Patterns

Aggregation

Search Indexes

Generate queries from natural language in Compass

INSERT DOCUMENT

Filter

Type a query: { field: 'value' }

Reset

Apply

Options

_id: ObjectId('68ac3d13309d3bc317e6447a')

eventId: ObjectId('68abf869b4e1757ccde24249')

studentName: "aasha"

phoneNumber: "9146394264"

college: "PICT"

yearOfStudy: "3rd Year"

fieldOfStudy: "Computer Engineering"

status: "applied"

appliedAt: 2025-08-25T10:38:11.111+00:00

__v: 0

_id: ObjectId('68ac40847bde54dbaea0c255')

eventId: ObjectId('68ac3dc309d3bc317e6448a')

studentName: "Sample"

phoneNumber: "1234567890"

college: "PICT"

yearOfStudy: "3rd Year"

fieldOfStudy: "Computer Engineering"

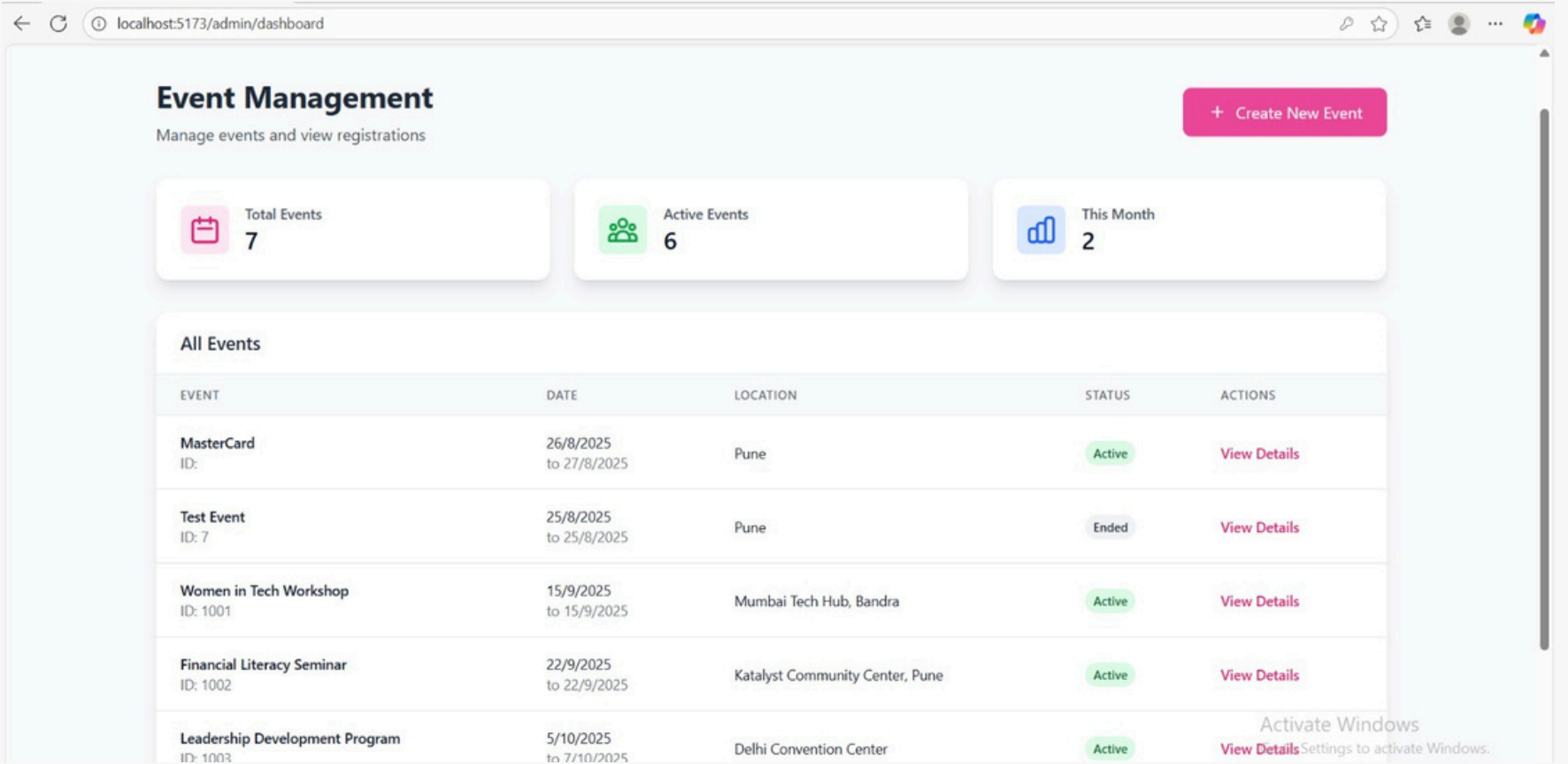
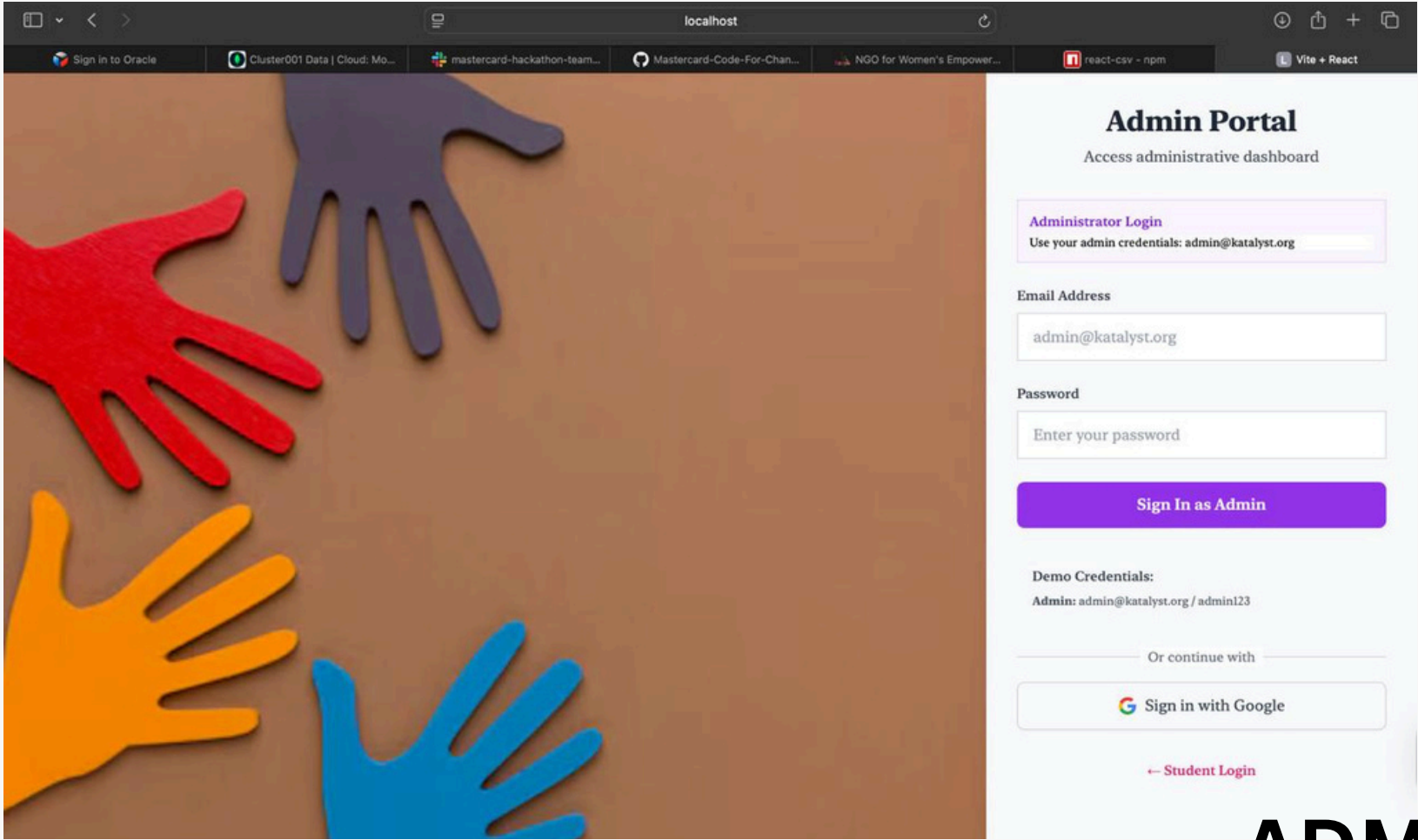
status: "applied"

appliedAt: 2025-08-25T10:38:11.111+00:00

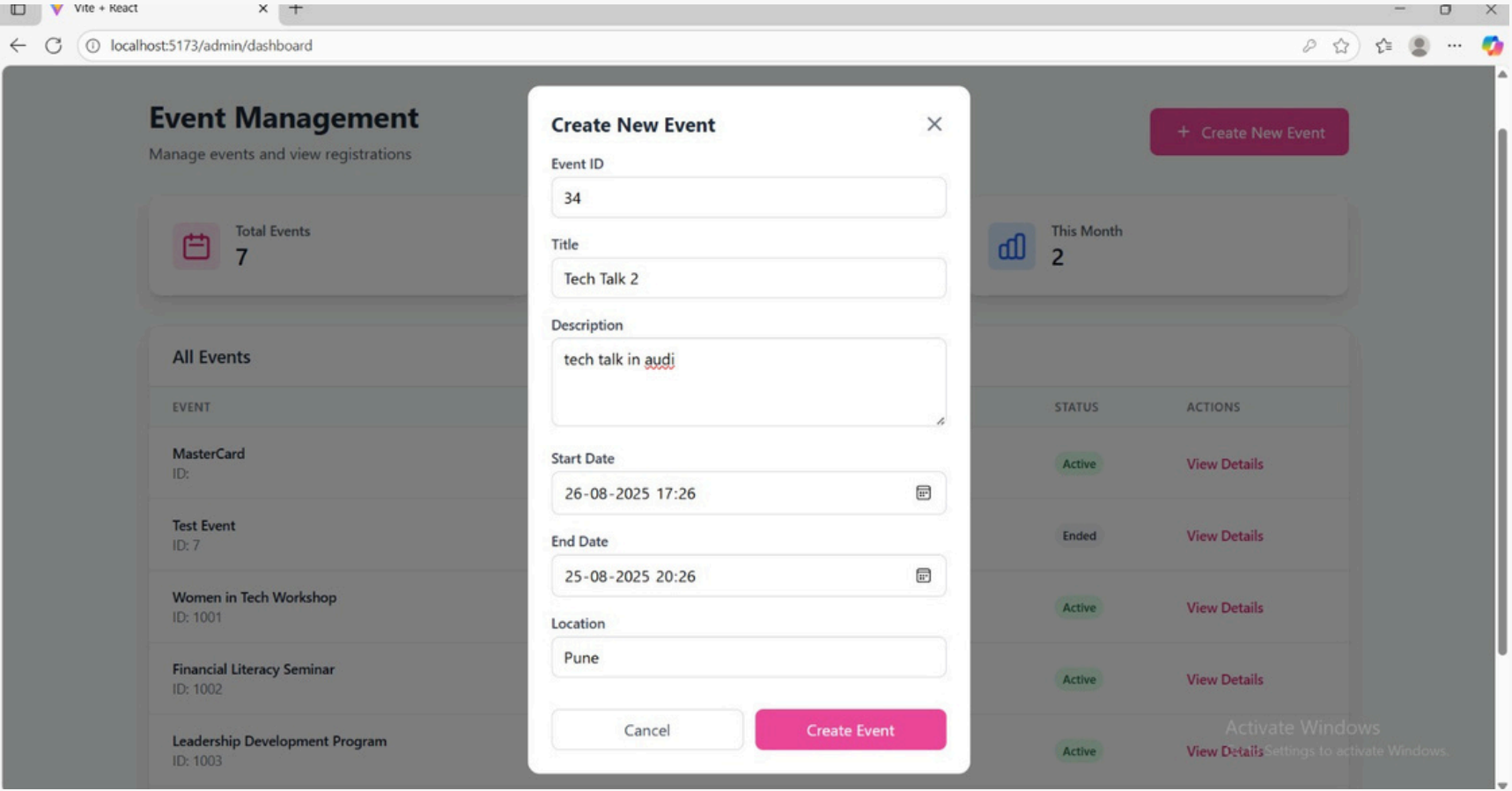
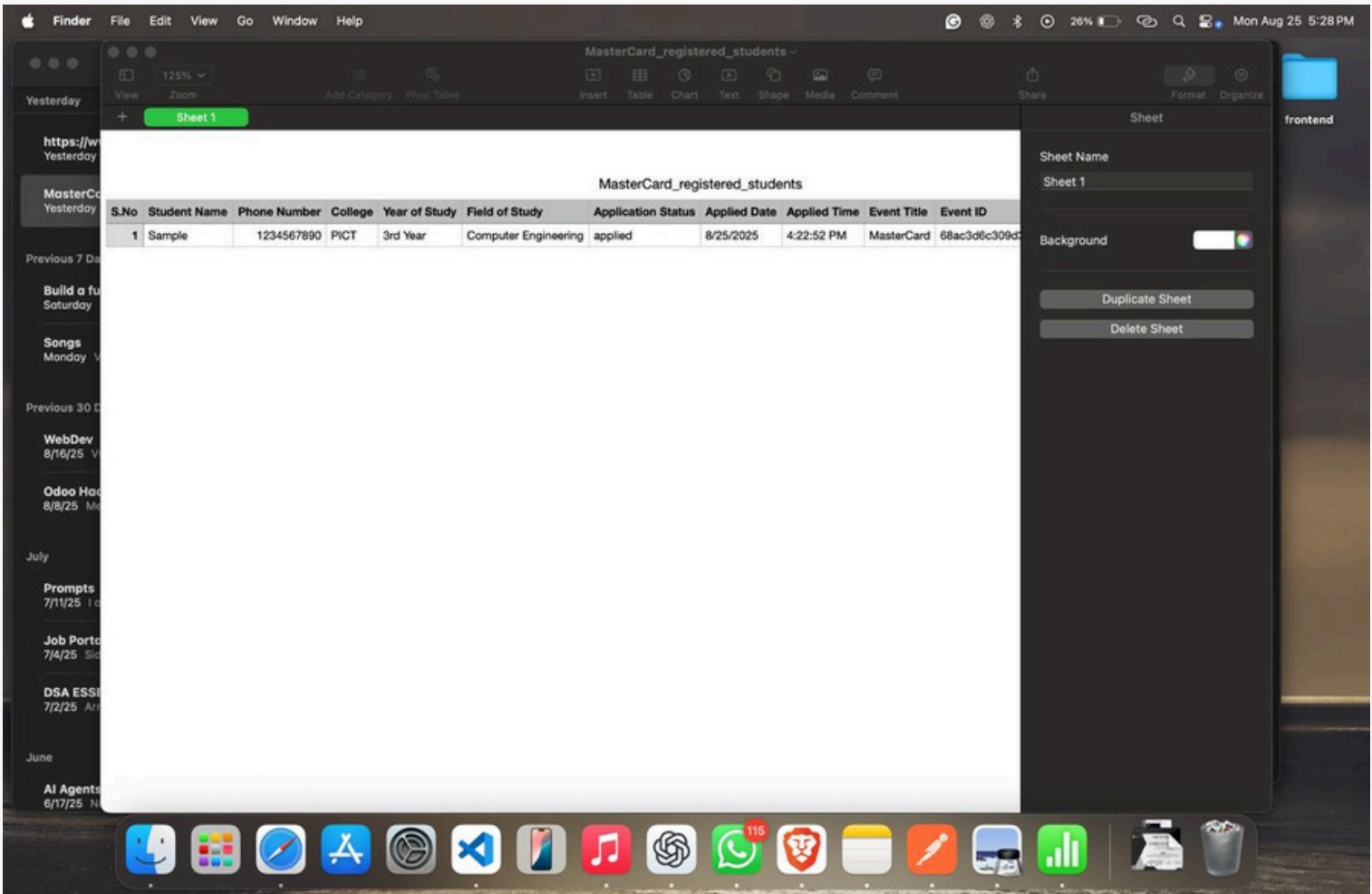
__v: 0

System Status: All Good

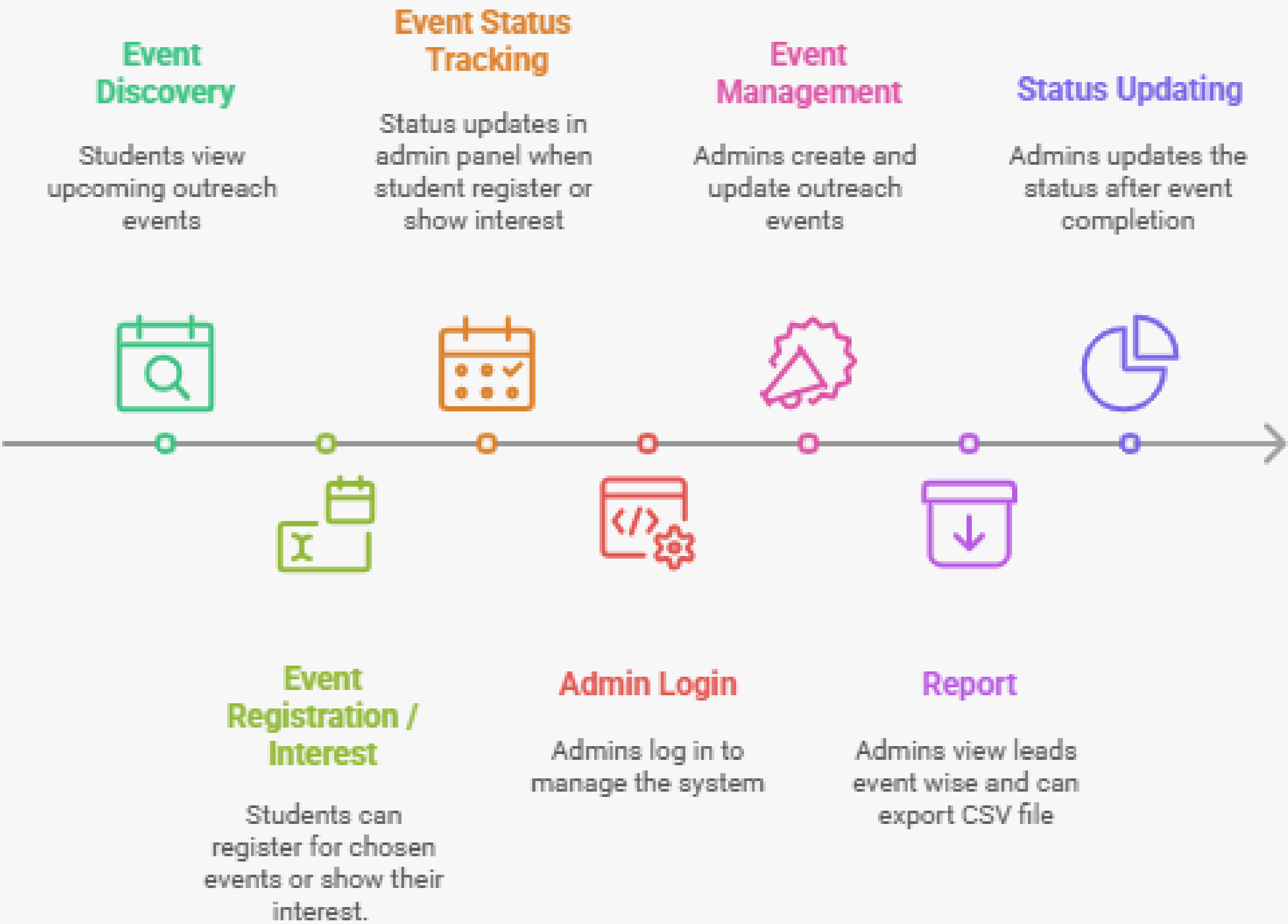
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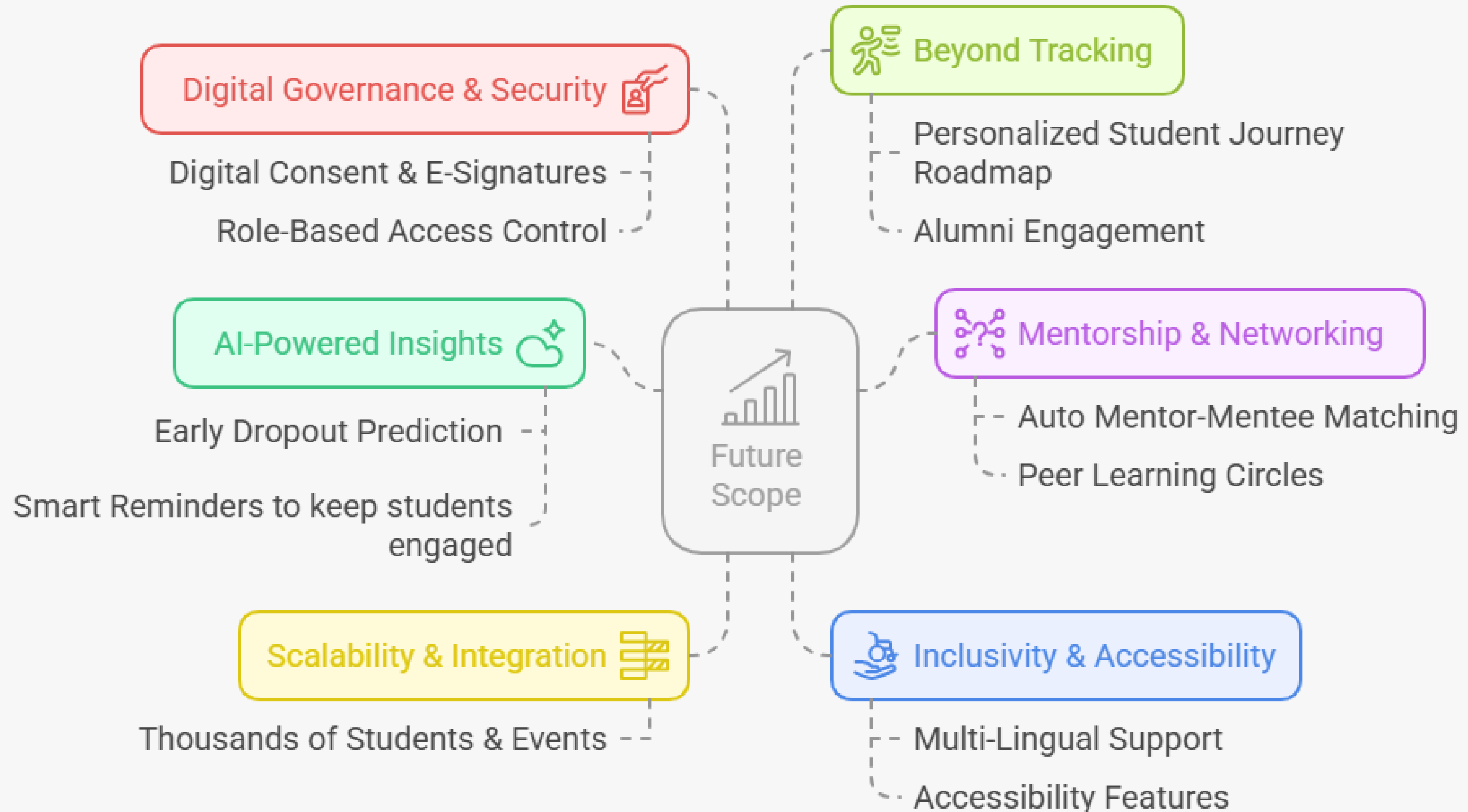
ADMIN PORTAL



Solution Overview:



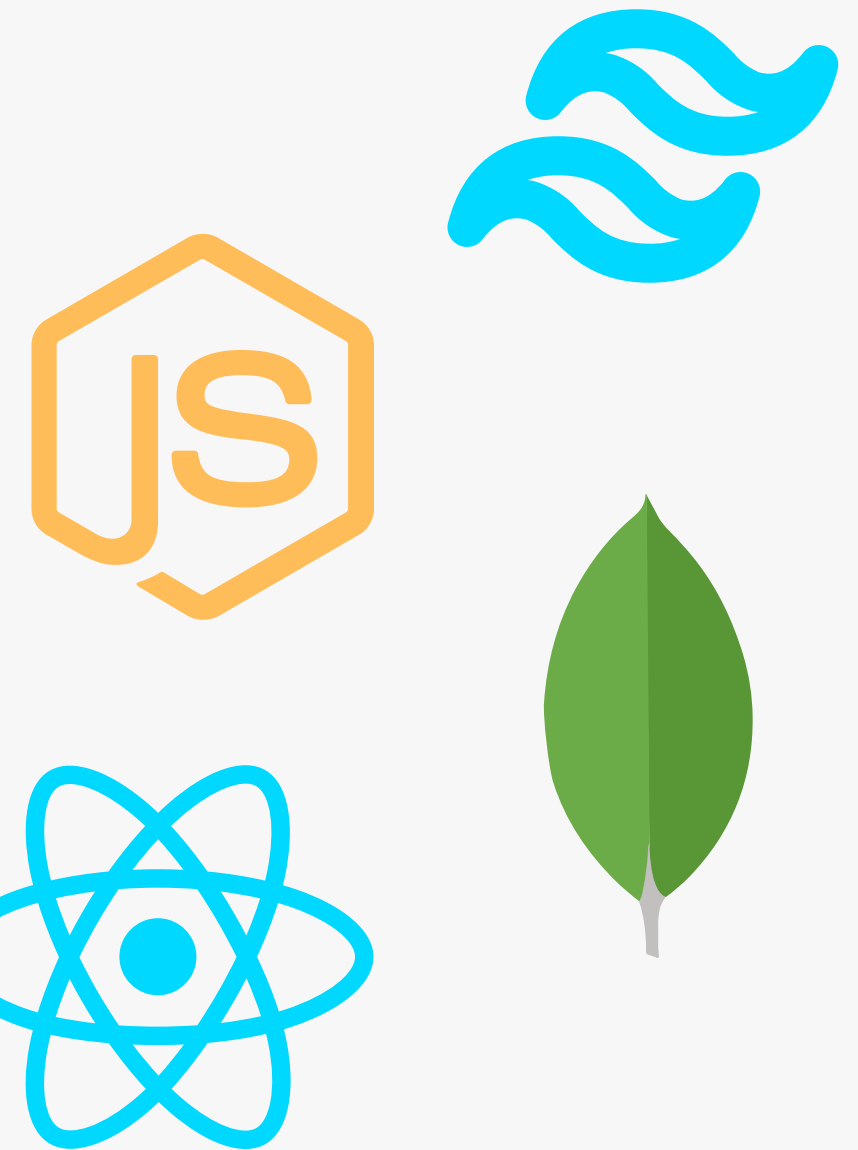
Future Scope of Student Outreach & Application Tracking System



Technology Stack

- React.js → Built a clean, responsive student & admin interface.
- Node.js + Express → Handled backend APIs & event management logic.
- MongoDB → Stored Student data, Admin data ,Event Data ,Received Applications with timestamps for easy tracking.
- Tailwind CSS → Designed a modern, mobile-friendly UI.

[GitHub Repository Link](#)



Express



Q&A

