



# Web Application Platform: Trinity First

## Bridging the Gap for First-Generation Student Success



Myrian Ayala

Advisor: Ken Kousen

Affiliation: Department of Computer Science, Trinity College

### Background

First-generation students at Trinity frequently encounter difficulties in accessing support tailored to their unique needs, primarily due to the lack of a centralized platform. As a result, many depend on word-of-mouth to discover available resources, which creates gaps in awareness and engagement.

### Key Features



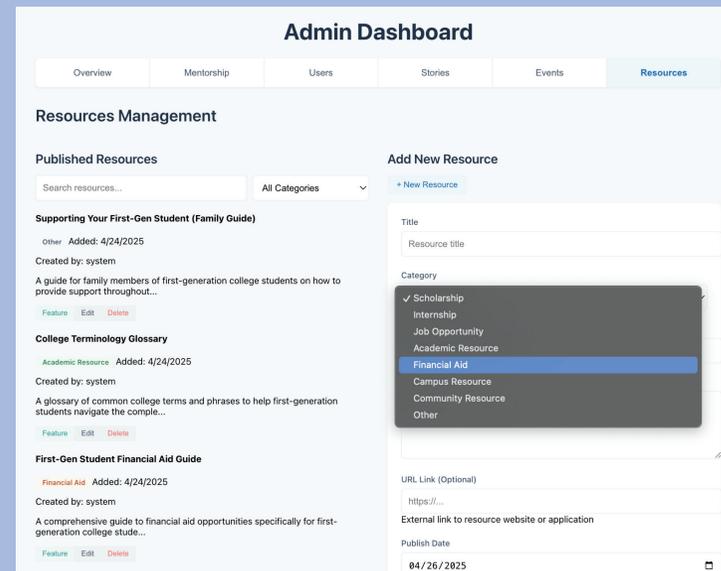
**Users**

- Register for events
- Explore categorized resources
- Draw inspiration from peer success stories



**Administrator**

- Manage all programs from one dashboard



### First-Gen mentorship enhanced by AI

Generates custom responses from PDFs, Word documents (e.g., resumes), or links (e.g., public LinkedIn profiles) to simplify applications

Admins manage programming and automate mentor-mentee matching through a unified dashboard

### Technology Stack



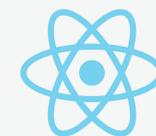
Python



Flask



Firebase



React



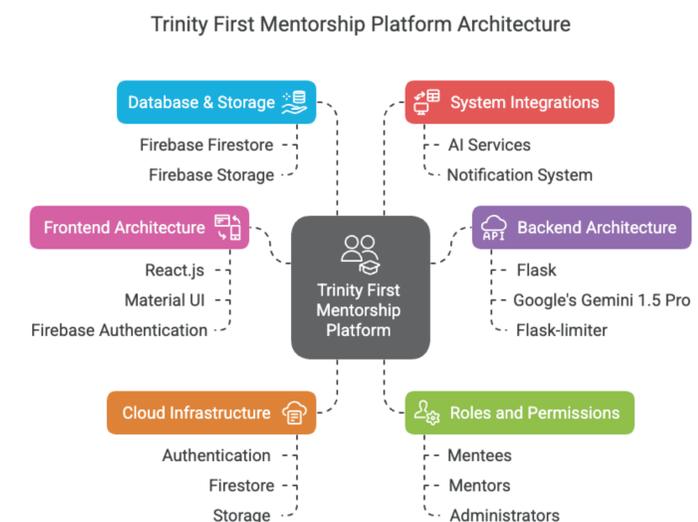
Material UI



Gemini



### Components



### Trinity First

Trinity First is a personalized web application that bridges this gap by consolidating key resources in one accessible, user-friendly space.

