Project Proposal

CS320 Spring 2025

Company Name:

Pixel Warriors (Akhmad, Jojo, Said)

Application Name:

Unify

Proposal (>= 300 words):

Our project aims to build a platform that enhances student connectivity within colleges and provides a crowdsourced ecosystem for academic and extracurricular opportunities. The platform will facilitate peer connections, enable resource sharing, and streamline access to relevant information through intelligent features.

Key Functionalities

1. **Student Networking & Matching**
   - Students will be matched based on demographic factors, academic interests, career goals, and extracurricular activities.
   - Personalized recommendations will help students form study groups, collaborate on projects, or find mentors.
2. **Advanced Search & Filtering**
   - A robust search system will allow users to filter by country, state, major, interests, career paths, and more.
   - Students can discover peers with similar goals, relevant opportunities, and potential collaborations.
3. **Academic & Resource Exchange**
   - Students can showcase their course history, offering insights into academic backgrounds and expertise.
   - A marketplace will allow users to buy, trade, or share textbooks, course materials, and other educational resources.
   - Peer-to-peer session booking will enable tutoring, career discussions, and skill-sharing beyond academics.
4. **Dorm Room Listings**
   - Students can browse available dorm rooms, view pictures, floor plans, and essential details.
   - A favoriting feature will help users keep track of preferred listings.
5. **Scotty AI: Smart Chatbot Assistant**
   - Provides course recommendations based on academic history.
   - Offers insights on professor availability and course schedules.

- Shares details on upcoming campus events and general student resources.