CS/SE/CE 3354 Software Engineering

Project Proposal

LinkedOut

1. Group Members

- Benjamin Schuh
- Mytri Nair
- Will Arato
- Manthra Natarajan
- Mahmoud Elsharydah
- Adam Hassan
- Shreyas Ankolekar
- Maya Gangadharan

2. Project Implementation

Our project will be focused on a web application implementation deployed via existing cloud services:

- Possible Cloud/Serverless Solutions: Google Cloud, AWS, Azure, Render, Railway, Netlify, Vercel, etc.

Main Goal:

- To give students an outlet to network with others.

Architecture:

- MERN stack (Mongo, Express, React, Node).
- Python/selenium web scraping AND/OR import LinkedIn profile to generate profiles/matches via MongoDB
- An integrated chatbot (i.e to draft messages to another student based on interests)

Features:

- Profile maker to analyze Linkedin profile and get interests/skills
- Most of user profiles will be Linkedin and users can add additional information if needed
- Import a Linkedin profile and fetch everything from the profile or can manually add for yourself (you as user) in another section.
- Web Scraping/LinkedIn import for the profile data.
- Ai that connects based on similar linked in profiles
- Users can swipe right if they want to connect with another student
- Users swipe left if they want to move on
- If two users swipe right on each others profile notification will appear and their linked in profile will appear and allow users to connect with each other

3. Motivation

Students often struggle to find the right connections that align with their skills. Traditional job boards don't have a personalized approach, or a chance for students to connect going through the same struggles. **LinkedOut** simplifies the process by analyzing your LinkedIn profile and matching you with the best-fit students—just like a dating app, but for your career. It would help students connect with like-minded peers for hackathons, projects, and networking.