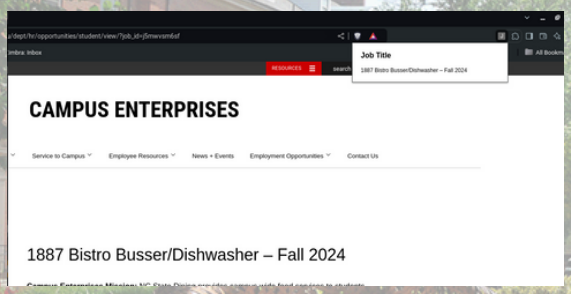
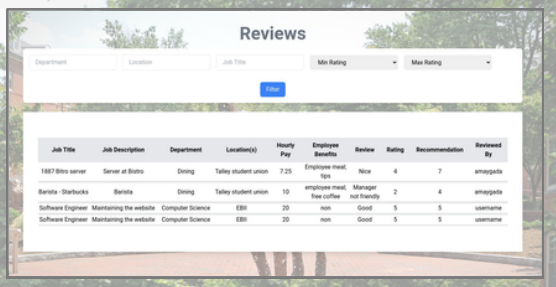
NCSU CAMPUS JOB REVIEW

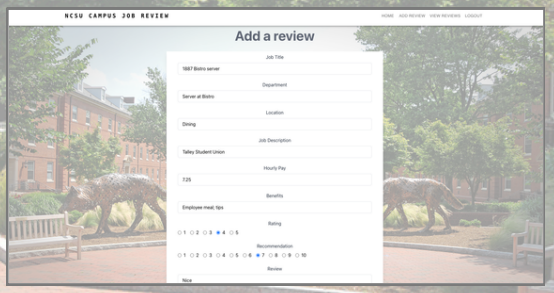
HOME ADD REVIEW VIEW REVIEWS LOGOUT

NC State Campus Jobs

Add Reviews View Reviews







Overview

The Campus Job Review is a platform designed for students to share and explore reviews of on-campus job opportunities. Built in React using Django and MongoDB as backend, it allows users to upload experiences and provides dynamic filtering options for job searches. The project features enhanced security with JWT token authentication and a React frontend for a responsive user experience. Its goal is to help students make informed decisions about job applications based on peer insights.

Why Choose Us

- **Modular Design:** Separated frontend from backend to facilitate future enhancements. The system is fully functional, allowing for straightforward updates without disrupting existing features. The dynamic GitHub actions allows to track changes and facilitate collaboration among developers.
- **Database Migration:** Transitioning from SQLite to MongoDB for improved performance, scalability, and flexibility in handling dynamic data, enabling complex queries and faster data retrieval for a growing user base.
- **UI Upgrade:** Moved from static HTML/CSS to a dynamic React application, enhancing user experience with responsive design and real-time updates.
- **RESTful APIs Development:** Integrated APIs in Django for dynamic filtering and sorting of job reviews by pay rate, ratings, and location, boosting user engagement with tailored content.
- **Security Enhancements:** Implemented JWT tokenization for secure login/signup processes, safeguarding user data through password hashing, and improved session management.
- **Browser Extension:** Created a browser extension that interacts with the cloud MongoDB database, providing job review pop-ups associated with the review department titles on our application.
- **Extensive Testing:** Conducted thorough testing on both front-end and back-end to ensure reliability, including a comprehensive set of 60+ test cases for key routes, job postings, and user reviews.
- **Scalability:** Design allows seamless adaptation to increasing volumes of job reviews and feedback.
- **Well-Documented Code:** Comprehensive system documentation along with inline docstrings and comments, how-to-use tutorials, equips developers with clear guidance for navigating the codebase.
- **Effortless Solutions with Our Technology Stack:** We utilize cutting-edge technologies like Python, React, and Django, along with tools like Pylint and Prettier, to ensure clean, maintainable code and a seamless development process.

Pathway to Progress: Future Milestones

- **Form Validation:** Enhance frontend form validaition to have stronger checks and better user experience.
- **Browser Extension Enhancement:** Extend the browser extension to be integrated with the backend and show the complete review. Additionally, add an auto-fill feature based on the review information that would simplify data entry, enhancing user-friendliness and efficiency.
- **Community Features:** Introduce a forum or discussion board where users can share experiences, ask questions, and provide advice on job applications and interviews. This could foster a community around job hunting and reviews.
- **Mobile Application Development:** Develop a mobile version of the CampusJobReview platform to allow users to access job listings, submit reviews, and receive notifications on the go, enhancing accessibility and user engagement.

Group 66: Shazia Muckram, Tahreem Yasir, Amay Gada

Please find the old code in ***old_code*** branch, the new code in the ***prod*** branch, and the ***test*** branch was used for development.

Repo Link: https://github.com/SAT510/CampusJobReview

Assessment Table: https://github.com/SAT510/CampusJobReview/blob/test/RUBRIC.md

We have written test cases for both backend and frontend. The badge that you see on GitHub README is for the frontend coverage badge, justifying the low coverage. Each team member has written their share of tests.