

Experiment 13: A mini-project development using Python

- **Aim:** To develop a job finder application using Django to help users search for and apply to job listings based on their preferences.

- **Abstract:**

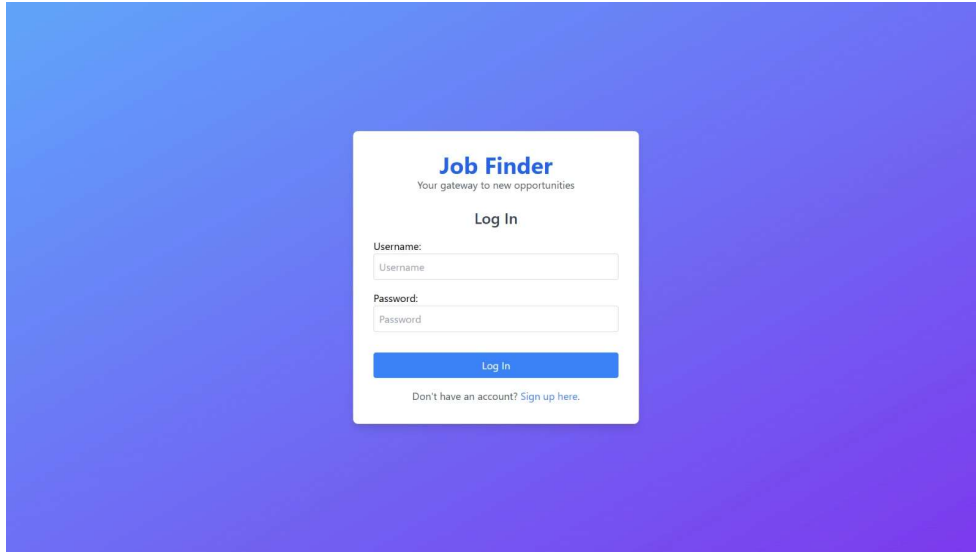
The Job Finder application is a web-based project developed using Django, aiming to connect job seekers with job listings. This application allows users to search for jobs based on criteria such as job title, location, and job type. Job seekers can explore, refine, and apply for available positions using a variety of filters. By leveraging Django's robust framework, the application provides a user-friendly interface and efficient database management, making job searching convenient and accessible. This project demonstrates essential web development skills in Django, including data handling, form processing, and template rendering.

- **Technologies / Libraries Used:**

1. **Django** - The main framework used to build the application, providing tools for routing, database management, and server-side functionality.
2. **Django Auth** - Django's built-in authentication system, used to handle user authentication, registration, and login/logout features.
3. **Django Forms** - Used to create and manage HTML forms in the application, making it easy to handle user input and validation.
4. **Django Widgets** - Django's default widgets were utilized for creating input fields and UI elements, allowing for a simple and effective design without the need for external libraries.
5. **SQLite** - The default database used in Django projects, suitable for handling job listings, user profiles, and application data in a lightweight and easily managed format.

Snapshots of project

Login Page -



The login page features a white card centered on a blue-to-purple gradient background. The card contains the 'Job Finder' logo, a tagline, a 'Log In' heading, and input fields for 'Username' and 'Password'. A blue 'Log In' button is at the bottom of the card, with a link to 'Sign up here' below it.

Job Finder
Your gateway to new opportunities

Log In

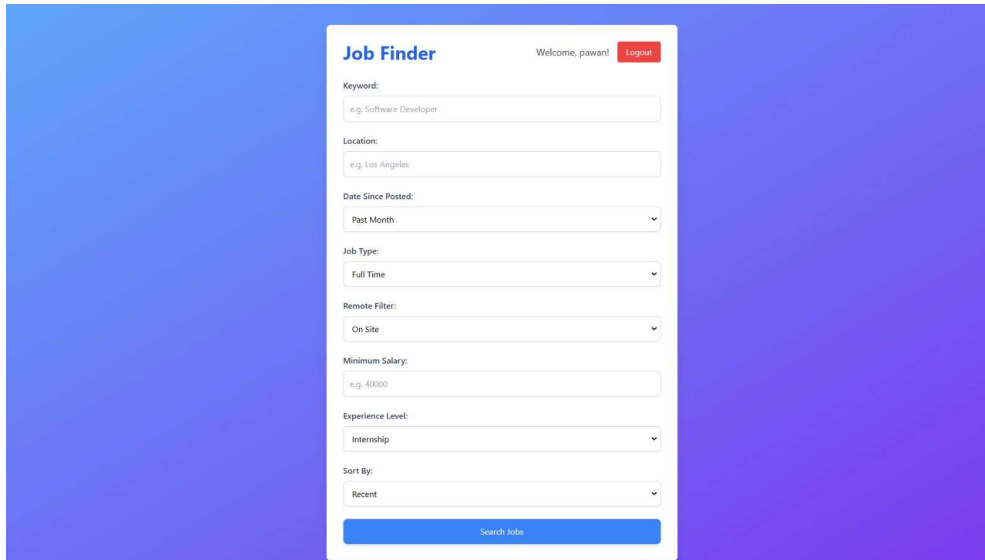
Username:

Password:

[Log In](#)

[Don't have an account? Sign up here.](#)

Job Fiter Page -



The job filter page shows a white card with a search form on a blue-to-purple gradient background. The card includes a 'Welcome, pawant!' message and a 'Logout' button. The search form has fields for 'Keyword', 'Location', 'Date Since Posted', 'Job Type', 'Remote Filter', 'Minimum Salary', 'Experience Level', and 'Sort By', each with a dropdown menu. A blue 'Search Jobs' button is at the bottom.

Job Finder Welcome, pawant! [Logout](#)

Keyword:

Location:

Date Since Posted:

Job Type:

Remote Filter:

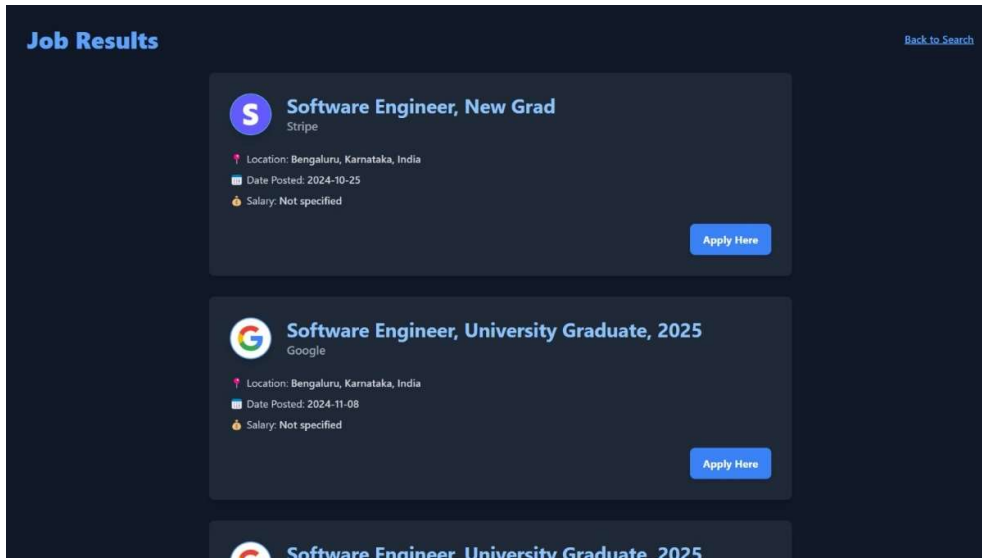
Minimum Salary:

Experience Level:

Sort By:

[Search Jobs](#)

Job's Page -



The job results page displays a list of job cards on a dark blue background. Each card includes a company logo, job title, location, date posted, salary, and an 'Apply Here' button. The first card is for 'Software Engineer, New Grad' at Stripe, and the second is for 'Software Engineer, University Graduate, 2025' at Google.

Job Results [Back to Search](#)

S **Software Engineer, New Grad**
Stripe
Location: Bengaluru, Karnataka, India
Date Posted: 2024-10-25
Salary: Not specified
[Apply Here](#)

G **Software Engineer, University Graduate, 2025**
Google
Location: Bengaluru, Karnataka, India
Date Posted: 2024-11-08
Salary: Not specified
[Apply Here](#)

G **Software Engineer, University Graduate, 2025**