**Employment Analytics Dashboard**

A data-driven approach to optimizing Job Searches in the U.S. Data Sector

**Project Description**

This project provides a comprehensive employment analytics dashboard to assist job seekers in analyzing job postings, salary trends, required skills, company evaluations, and career growth opportunities. The goal is to help job seekers make informed decisions using data-driven insights.

**Installation**

1. **Clone the repository**  
     
   git clone https://github.com/saicharanreddygottam-slu/employment-analytics-dashboard.git

cd employment-analytics-dashboard

1. **Create and activate a virtual environment**

python -m venv venv

source venv/bin/activate

**Install dependencies**

pip install -r requirements.txt

1. **Run the application**

python app.py

**Usage**Dashboard GUI **A screenshot of a computer

AI-generated content may be incorrect.**

**Running the Dashboard**

Once the application is running, access the dashboard via:

Link to be updated.

**Features**

* **Job Demand Analysis**: Identify trends in job postings by title, industry, and location.
* **Salary Optimization**: Compare salary ranges for various job roles and industries.
* **Skill Gap Analysis**: Analyze required skills for job postings (Python, SQL, AWS, etc.).
* **Company Evaluation**: Compare company ratings, headquarters, and competitors.
* **Career Growth Assessment**: Evaluate job seniority levels and degree requirements.

**Contributing**

Pull requests are welcome! For major changes, open an issue first to discuss what you'd like to modify.

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