MINI PROJECT

Sentiment Analysis on Company Reviews

**Abstract:**

**College Website** created for S**tudents** to choose the best company on particular domain, so for that we are using **Natural language Processing** ,**Web Technologies** and **Machine Learning** which includes **Sentiment Analysis**.

The first step in this project would be to **identify the domain** that students are interested in. This can be done by analyzing the data on job placements from previous years. Once the domain has been identified, the next step would be to **gather Reviews on the companies** from students who have worked with those companies in the past. These reviews can be collected by us and convert them as a data set and train it to calculate the overall percentage by using sentiment analysis . The next step would be to use machine learning techniques to analyze the reviews. Sentiment analysis can be used to determine the overall sentiment towards a particular company. To **Train a sentiment analysis model** using machine learning algorithms such as **Naive Bayes, Support Vector Machines, or neural networks**. This can be used to rank the companies based on the level of satisfaction expressed by the students.

**Additional features:**

1. Job openings
2. Packages
3. Road maps
4. Basic chatbot

**So,** This information can help students make an **informed decision** about which company to apply.

**Drawbacks:**

1. Lack of Context:Sentimental analysis algorithms can struggle with understanding context. Which can result in inaccurate or misleading results.For example,a review that mentions a negative experience with a company may be referring to a one-off incident rather than the companies overall performance.
2. Lack of Communication between juniors and seniors
3. As an engineering students not having a clear view about placements and job

**Future Purpose:**

Overall, this project can be a great way to help students make better career choices. By using Natural language Processing, web technologies and machine learning, it is possible to provide students with valuable information that can help them make the right decisions when it comes to choosing a company in a particular domain.And we can also establish good relations between alumni and aspiring engineers.