**🔍 Automated Resume Screening System**

This is a **6-month academic minor project** developed as part of the Computer Engineering curriculum. The system automates the process of screening resumes based on job descriptions, making the hiring process faster and more efficient — especially helpful for HR teams within a company.

**🛠 Tech Stack**

* **Frontend**: HTML, CSS, AJAX
* **Backend**: Python, PHP, Flask (API)
* **Model**: BERT (Pretend) + TF-IDF (combined results for better accuracy)
* **Database**: MySQL with phpMyAdmin
* **Hosting**: All components run on the same local server (XAMPP or similar)

**🧠 Model Logic**

* **Main Model**: Pretend BERT (pretrained transformer-based model) used to understand and match resume content with job descriptions.
* **Keyword Enhancement**: Combined with **TF-IDF**, which contributes 20% weight to the final result, while BERT contributes 80%.
* This hybrid approach improves accuracy in extracting and ranking candidate relevance.

**📋 Features**

* HR can log in securely and post job descriptions.
* Resumes are uploaded and automatically scored based on job match.
* Ranks candidates based on relevance.
* Admin dashboard to manage data.
* Simple and fast interface for internal HR usage.

**📁 Project Report**

A full PDF report is included in this repository. It covers:

* Problem background
* Objective
* System architecture
* Model explanation
* Screenshots
* Conclusion