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A smart, AI-powered web application that analyzes resumes and provides personalized career recommendations using Natural Language Processing (NLP), resume parsing, and machine learning.

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## Features

-  **User & Admin Dashboard**
  -  **Resume Parsing** using NLP ([pyresparser](#), [pdfminer](#))
  -  **AI-Based Resume Scoring**
  -  **Career Field Prediction**
  -  **Skill & Course Recommendations**
  -  **YouTube Video Suggestions**
  -  **Resume Writing Tips**
  -  **Admin Visual Analytics with Plotly**
  -  Resume Upload & History Tracking
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## Tech Stack

- **Frontend:** Streamlit
  - **Backend:** Python
  - **Database:** MySQL (via XAMPP)
  - **Libraries:** [pyresparser](#), [pdfminer3](#), [streamlit-tags](#), [pafy](#), [nltk](#), [spacy](#), [plotly](#), [pymysql](#)
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## Setup Instructions

### 1. Clone the Repository

```
git clone https://github.com/yourusername/ai-resume-analyzer.git
cd ai-resume-analyzer
```

### ### 2. Install Dependencies

Make sure you are using **\*\*Python 3.7 or 3.8\*\*** for compatibility.

```
``bash
pip install -r requirements.txt
pip install nltk
pip install spacy==2.3.5
pip install https://github.com/explosion/spacy-
models/releases/download/en_core_web_sm-2.3.1/en_core_web_sm-2.3.1.tar.gz
```

### ### 3. Configure Database

1. **\*\*Download and start [XAMPP](https://www.apachefriends.org/index.html)\*\*** or any **local** MySQL server.
2. Start both **\*\*Apache\*\*** and **\*\*MySQL\*\*** from the control panel.
3. Ensure your MySQL connection credentials are correct **in `App.py`**:  
``python  
mydb = mysql.connector.connect(  
 host="localhost",  
 user="your\_username",  
 password="your\_password",  
 database="your\_database"  
)

### 🚀 4. Run the Application

Open your terminal and run:

```
``bash  
streamlit run App.py
```