**# HireSmart - Resume Filtering System**

HireSmart is a resume screening and ranking system that uses various Python modules to analyze uploaded resumes based on multiple evaluation metrics such as ATS Score, Extracted Skills, Job Category, Experience, Formatting Score, Salary Prediction, and Resume Relevance.

## Project Structure

resume proj/  
│  
├── app.py # Main backend script using Flask  
├── pro.py # Logic to process resumes and call feature modules  
│  
├── ATS Score.py # Calculates ATS compatibility score  
├── Experience.py # Extracts and scores work experience  
├── Extracted Skills.py # Extracts relevant skills from resumes  
├── Formatting Score.py # Evaluates resume formatting  
├── Job Category.py # Predicts the job category of the resume  
├── Resume Relevance.py # Compares resume content with job description  
├── Salary Prediction.py # Predicts expected salary range  
│  
└── uploads/ # Folder to store uploaded PDF resumes  
├── ABC Resume.pdf  
└── XYZ Resume.pdf

## Requirements

- Python 3.8+

- Flask

- scikit-learn

- pandas

- numpy

- PyPDF2

- other libraries as per module needs

Install dependencies using:

```bash

pip install -r requirements.txt

## Usage

* Place resumes in the uploads/ folder.
* Run the app with:
* python app.py
* Access the web interface at http://localhost:5000.

## Output

The application ranks and categorizes resumes based on:

* ATS Score
* Job Relevance
* Skill Match
* Formatting
* Predicted Salary
* Experience Level