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## *Resume Analyzer and Job Matcher (NLP + ML)*

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### **Members:**

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## Introduction

**Problem:** Students/job seekers often submit resumes that don't match job descriptions well.

**Solution:** Upload a resume (PDF/docx), parse it using NLP, and match it with the best-fitting job descriptions from a dataset.

**Frontend:** Upload resume + display matching jobs with scores.

**Dataset:**

- Job Descriptions from Kaggle
- Resumes from Kaggle

**Tools/Technologies:**

- Collab
- NLP/ML
- FastApi
- Python
- Nextjs
- Javascript

## Running The Project

- In the Backend folder there is a Python script which you can import on Google Collab.
- Then Upload the Datasets in the data folder on Collab.
- Run the script and the backend will be up.

- The backend will create a local link which you have to copy and paste in the frontend project so it can make the accurate call
  - To run the frontend, open the root folder then run the command **npm run dev – legacy-peer-deps** after that type **npm run dev**.
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