



FAANG LAY-OFFS





Pr. Abdelhay HAQIQ

Carried out by:

ELGHABI Taha LABRIJI Saad ISBAINE Mohammed

School year: 2022/2023

TABLE OF CONTENTS

1. INTRODUCTION

- Problem
- Solution
- Requirements
- Planning

3. DEMO

2. ARCHITECTURE

- Frontend
- Backend
- Data Collection
- Machine Learning

4. CONCLUSION

INTRODUCTION

Problem, Solution, Requirements, Planning



Solution

More than 91,000 workers in the U.S. tech sector have been laid off in mass job cuts so far in 2022.

Many People are currently worried about their current position.





Create an online platform that gives you the probability of getting laid off based on Linkedin Profile



Functional requirements



Non Functional requirements

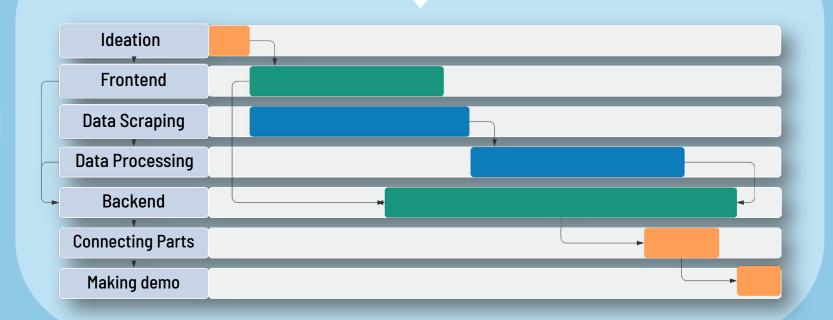
Confidentiality

Easy-to-use

Progressive Change

Adaptability

Planning



ARCHITECTURE

Frontend, Backend, Data Collection, Machine Learning



FRONTEND

Development Tools, Interfaces ...

Frontend Technologies

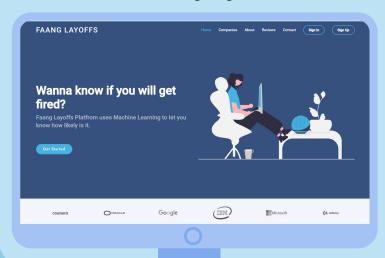




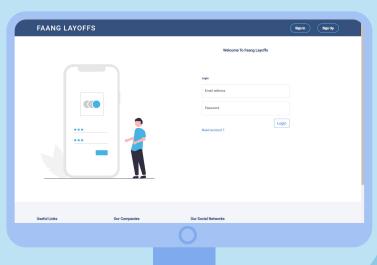


User Interface

Landing Page



Login Page





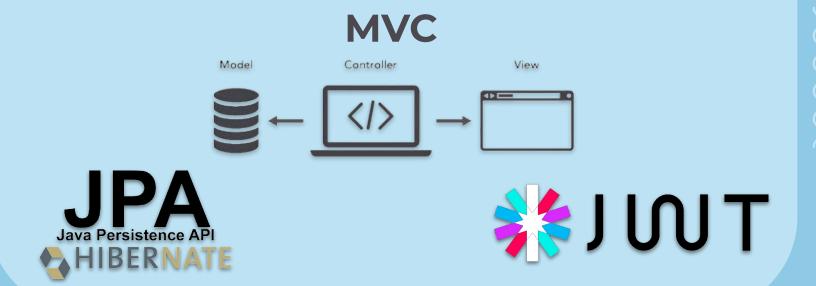
BACKEND

Development Tools, Architecture...

Backend Technologies



Backend Architecture

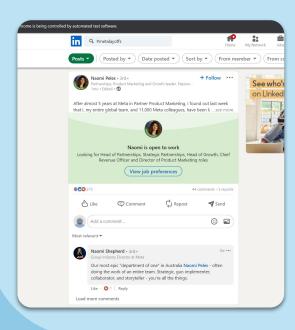




MACHINE LEARNING

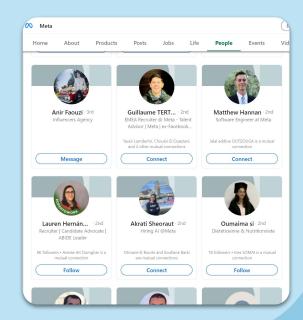
Data Scraping, Data Processing, Model Building...

Data Scraping

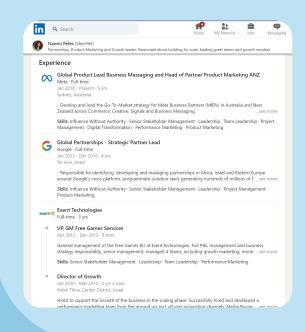


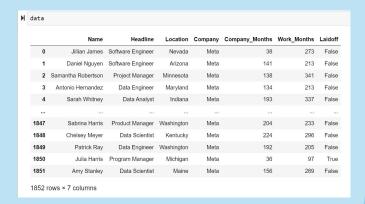
DATA SOURCE



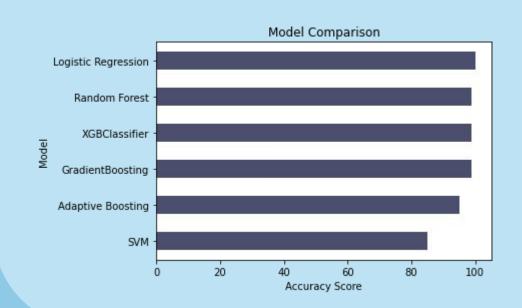


Data Preparation





Model Building



Accuracy Score

Logistic Regression: 99.6%

Random Forest: 98.92%

XGBClassifier: 98.65%

Gradient Boosting: 98.65%

Adaptive Boosting: 94.88%

SVM: 84.91%

Machine Learning Technologies













DEMO

Watch live Demo!



CONCLUSION

Scraping is 😔 hard

But Spring is fun 😀

