

Melika Abedi

Data Science

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DoB: 1996-10-27

Profile Summary

I am a Master's student in Data Science at Ghent University with hands-on experience in working with data, generating business intelligence reports, and implementing ERP systems. I have worked with more than 75 companies, helping them set up warehouse and manufacturing systems and providing data-driven insights to improve production processes. I am now eager to apply my skills in data science and AI to solve real-world problems

Skills

Machine Learning & AI

✓ Machine Learning Algorithms ✓ Deep Learning ✓ Natural Language Processing

Data Visualization

✓ Power BI ✓ Tableau ✓ Excel Dashboards

Databases

✓ MongoDB ✓ MySQL

✓ PostgreSQL

Programming Languages

✓ Python ✓ R ✓ HTML/CSS/Javascript

Frameworks & Tools

✓ Design Web with Django ✓ Docker ✓ GIT

Education

2015 - 2019

■ Bachelor of Industrial Engineering

Institute/University: IUT
Khomeini Shahr, Isfahan, Iran

2022 - Present

■ Master of Business Engineering_Data Science

Institute/University: Gent University
Gent, Belgium

Projects

■ E-Commerce Data Insights Project

I analyzed a Belgian e-commerce dataset to explore order delays, customer behavior, and seller performance. Using Python libraries like Pandas, NumPy, Matplotlib, and Seaborn, I identified 34 key sellers responsible for 80% of delays and clustered customers using RFM analysis for targeted marketing

Link: <https://github.com/melikaabedikoupaei/ACRM>

■ Predicting Product Return Rates

In a Kaggle competition, I aimed to predict product return rates based on early sales data to help retailers manage returns more effectively. I cleaned and prepared the data, then experimented with machine learning models such as Random Forest, XGBoost, and neural networks, implemented using Python and R . By optimizing the models, I reduced the Mean Absolute Error (MAE) from 1.11 to 0.084, significantly improving the accuracy of return rate predictions.

Link: https://github.com/melikaabedikoupaei/ML_return_rate_prediction

■ Churn Prediction for Fundraising Organization

I worked with a fundraising organization to predict donor churn and help them minimize losses. Using data from multiple sources, I engineered features (e.g., frequency, recency, monetary value) and built models, including Logistic Regression, Random Forest, and an Artificial Neural Network (ANN). The ANN model achieved over 80% accuracy in identifying the top 20% of donors at risk of churning.

Link: https://github.com/melikaabedikoupaei/churn_prediction

Work Experience

■ AI-Based Job Recommendation System

I developed an AI-driven job recommendation system that allowed users to simply upload their resumes in PDF format, eliminating the need for manual data entry. Using NLP techniques with spaCy , I built a pipeline to extract key information from the PDF, scrape job descriptions from Indeed, and compute cosine similarity scores to rank job matches. This system enhancing user satisfaction by providing personalized recommendations with minimal user effort.

Link: https://github.com/melikaabedikoupaei/job_resume_match

July 2019 -
October 2020

■ ERP Project Manager

Novin _choob
Tehran, Iran

- implementation of an ERP system (Odoo) , improving data flow and operational efficiency across departments. Created comprehensive reports on logistics and production costs to support data-driven decision-making

October 2020 -
October 2022

■ ERP Implementation Consultant and Data Analyst

Hamkaran system
Tehran, Iran

- Worked with over 75 companies, analyzing business processes and configuring ERP systems to streamline operations. Generated comprehensive reports and dashboards to help clients make informed decisions and improve their business performance.


September 2022 -
September 2023


■ BI Developer (Remote)

Mann Plastic
Tehran, Iran

- Developed business intelligence solutions, including dashboards and data visualizations, to support data-driven decisions.

Social Network

 melikaabedikoupaei

 melika-abadikoupaei