ALPARSLAN MESRİ

Machine Learning Engineer

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in **Linkedin**   M **Medium**   GitHub **GitHub**   **Portfolio** **Portfolio**

Profile

I am a curious and creative person. Highly adaptable, skilled team player, and determined to succeed.

Education
Math Field

Master's Degree in Engineering Management, **3.89/4.00**   *2015 - 2017*
Hacettepe University, Ankara, Turkey
(Graduated with the highest degree)

Master's Degree Thesis*: Web Mining and Sentiment Analysis a Bank Software by User Comments(NLP)*

Information Technologies Certificate Program   *2014 - 2015*
Middle East Technical University, Computer Engineering Department:
Computer Systems and Structures, Introduction to Programming with Java, Data Structures and Algorithms with Java, Operating Systems with UNIX, Software Engineering, Database Management Systems, Web Programming, Software Development Project

Bachelor's Degree in Industrial Engineering   *2007 – 2012*
Eskisehir Osmangazi University, Eskişehir, Turkey
(First 2,5% in national university exam)

Education
Non - Math Field

Master's Degree in International Relations (Exchange Student)   *2013 - 2014*
Westfälische Wilhelms-Universität, Münster, Germany

Master's Degree in International Relations   *2012 – 2014*
Istanbul Kultur University, Istanbul, Turkey
(Left in the thesis phase)

Bachelor's Degree in Public Administration   *2007 – 2011*
Anadolu University, Eskişehir, Turkey

Work Experience

Machine Learning Engineer (Part-time)   *01/2020 – present*
Freelancer

I regularly meet with data scientists online and collaborate actively participate in various machine learning projects. To date, I have successfully completed 28 projects, which I have published on my GitHub and Medium accounts. My machine learning articles on Medium have garnered approximately [3500 reads](.).

During this period I wrote an academic paper about NLP and Sentiment Analysis.
Elbas, H. and Mesri, A. (2022), ''Sentiment Analysis with YouTube User Comments: An Alternative Metric for YouTube Analytics'', *Duzce University Journal of Science & Technology,* (Under Review)

Data Scientist (Internship)   *09/2020 – 12/2020*
Manzanita Intelligent Marketing Co.

I used retrieved Japanese Twitter data, made needed feature engineering, created neural network models and, reported findings to the lead data scientist.

Investor and Trading Algorithm Developer (Part-time)   *12/2018 – 07/2022*
My Own Business

1- I invested crypto market in 2018. During this period I have done lots of research about crypto and world financial markets.

2- I developed a [trading bot software](.). Development phase took 1 year. I coded algorithms, created schematics for the software and visualized required data using data science techniques, all of which were done using Python. As the program was quite extensive, I optimized the code's performance.

Software Engineer   *06/2014 – 08/2018*
Hacettepe Technology Transfer Center (Library For Everyone / Librar-e Turkey Project of Bill & Melinda Gates Foundation)

[During that period](.) I developed needed software for the project team based on PHP, Javascript, and MySQL. Built data pipelines for Impact Assessment Team. Made business analysis for a management information system software developed by a contractor. Also, I was buyer-side tech responsible for the developed software by other companies.

Skills

Languages: Turkish: Native, **English:** Fluent, **German:** Intermediate, **Persian:** Intermediate
Tools: [Python](.), [SQL](.)**,** [AWS](.)[[1]](.)[[2]](.)[[3]](.), PyTorch, [Weka](.), PHP, [TFDV](.), Mecab, Vader

Certification

- DeepLearning AI, Practical Data Science on the AWS Cloud (4 Weeks) — *09/2023*
- DeepLearning AI, Machine Learning Modeling Pipelines in Production (5 Weeks) — *07/2023*
- DeepLearning AI, Machine Learning Engineering for Production – MLOps (4 Weeks) — *05/2023*
- DeepLearning AI, Introduction to Machine Learning in Production (3 Weeks) — *05/2023*
- IBM Deep Learning Networks with Pytorch (7 Weeks) — *04/2023*
- AWS Certified Machine Learning – Speciality — *03/2023*
- AWS Cloud Practioner — *10/2022*
- FreeCodeCamp, Machine Learning with Python (300 Hours) — *01/2021*
- FreeCodeCamp, Data Analysis with Python (300 Hours) — *08/2020*
- HSE, Introduction to Deep Learning (6 Weeks) — *07/2020*
- Deeplearning AI, Improving Deep Neural Networks (3 Weeks) — *06/2020*
- IBM Data Science (3 Weeks) — *05/2020*
- Machine Learning by Python by UDEMY (23 Hours) — *03/2020*
- FreeCodeCamp, JavaScript Algorithms and Data Structures (300 Hours) — *02/2020*
- PHP Web Programming Course by UDEMY (45 Hours) — *03/2019*
- Project Management Professional (PMP) — *09/2018*

Data Science Projects

Web Mining and Sentimental Analysis a Bank Software by User Comments(2017)
Video Game Sales(Jan 2020) (article) (github)
Titanic: Machine Learning from Disaster(Feb 2020) (article) (github)
House Prices: Advanced Regression Techniques(Mar 2020) (article) (github)
Predict Future Sales(Apr 2020) (article) (github)
Categorical Feature Encoding Challenge II(Apr 2020) (article) (github)
Real or Not? NLP with Disaster Tweets(May 2020) (article) (github)
Flu Shot Learning: Predict H1N1 and Seasonal Flu Vaccines(May 2020) (article) (github)
Vidhya Twitter Sentiment Analysis(Jun 2020) (article) (github)
San Francisco Crime Classification(Aug 2020) (article) (github)
Customer Satisfaction(Sep 2020) (article) (github)
Quora Sincerity(Oct 2020) (article) (github)
Fake News(Nov 2020) (article) (github)
Japanese NLP(Dec 2020) (article) (github)
BTC Correction Listing(Jan 2021) (article) (github)
DogeCoin(Feb 2021) (article) (github)
Bike Usage Visualization(Feb 2021) (article) (github)
BTC Market MACD Trading Algorithm(Jun 2021) (article) (github)
Sales Forecasting with Arima(Feb 2022) (article) (github)
Predictive Maintenance Classification(Feb 2022) (article) (article2) (github)
Solar Panel Electricity Generation Arima(May 2022) (article) (github)
Surgery Volume Prediction(June 2022) (article) (github)
Ethereum NFT Analysis(July 2022) (article) (github)
Explainable AI(Aug 2022) (article) (github)
A/B Test: Shopping Web Page(Sep 2022) (article) (github),
Midjourney Key Harvester(Sep 2022) (article) (kaggle)
Time Series: An Arma Example(Nov 2022)(article) (github)
Data Analysis: Rule-Based Classification(Nov 2022) (article) (github)
Black Friday Sales: Explatory Data Analysis(Jan 2023) (article) (github)
Genetic Disorder Prediction(May 2023) (article) (github)
Tensorflow Data Validation(June 2023) (article) (github)
Text Summarization(August 2023) (article)
Algorithmic Trade(August 2023) (article)

Links to project codes, articles, and other details can be accessed via the portfolio link.