



Muhammed Büyükkınacı

Data Scientist



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About me

I am a T-shaped Data Scientist who has general knowledge & experience on different IT areas such as Web Development, Data Engineering, Testing, System Engineering, Containerization etc. I have been coding in Python for 5 years. My passion is to extract insight & value from various data through Data Science techniques. I am not only an IT Engineer but also a life-long learner. I am able to create real-world Data Science projects in an end-to-end pipeline. I worked in different sectors like Energy, Telecommunication, Insurance and Real Estate throughout my career.

Speaking of my personality, I am an extrovert, open-minded & ambitious person. I also have excellent communication skills. I am using my soft & hard skills to be one of the best Data Scientist in the industry.

Education

2012 Sep
2018 Jan

Bachelor of Science, Industrial Engineering

Boğaziçi University

- Taking Data Mining & Time Series Forecasting courses as electives.
- Forecasting hourly electricity consumption of a specific region using different Machine Learning Algorithms in my graduation project.

Experience

Dec 2021
Present

Data Scientist

HepsiEmlak

- Creating various image processing, regression & classification projects on image data.
- Using Pillow, TensorFlow and Transfer Learning models to build up projects.
- Actively using Apache Kafka, RabbitMQ, Spark, Hadoop and Docker in development and Kubernetes & Jenkins in deployments.

Oct 2019
Dec 2021

Data Scientist

UrbanStat

- Creating ML based risk scores for automobiles & houses on behalf of insurance companies.
- Predicting wildfires and dangerous regions in California & West Coast of US using ML algorithms. Using SHAP library to present interpretable outputs.
- Dockerizing developed models to be moved into production.
- Developing a churn project for house policies.
- Excessively using libraries of Lightgbm & Xgboost.

Sep 2018
Oct 2019

Fraud Systems Engineer

Turkcell

- Leading a ML project that aims to predict which customers are going to object to their invoices. Trying to lower the returns that customers get from Turkcell. Dealing with an unbalanced problem.
- Monitoring Fraud and Credit Control services of Turkcell. Deploying software packages on live environment.

Apr 2018
Aug 2019

Junior Data Scientist

Organon Analytics

- Building Machine Learning models used in production.
- Designing dashboards for end users in Shiny library of R.
- Automating workflows through Python scripts.

Nov 2017
Mar 2018

Freelance Coder

AG Bioinformatics

- Designing and coding experiments used for EEG Analysis.
- Actively using Python and Neurobs's Presentation Software.

Accomplishments

Kaggle

Kaggle Expert

- Collecting 3 silver and 2 bronze medals in competitions. Joining more than 20 competitions.

2017 ALES

Coming 147th in Turkey

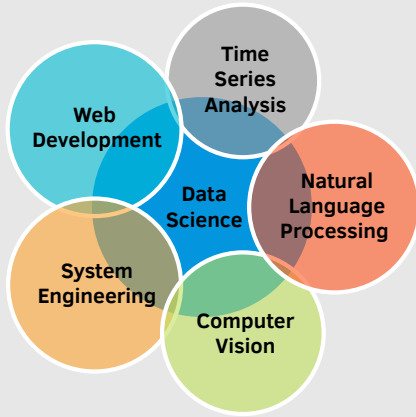
- Coming in 147th in 2017 Spring ALES(Academic Personnel and Postgraduate Education Entrance Exam) among 300 thousand people.

2012 YGS

Coming 300th in Turkey

- Coming in 300th in 2012 YGS(The Transition to Higher Education Examination) among 1 million 860 thousand people.

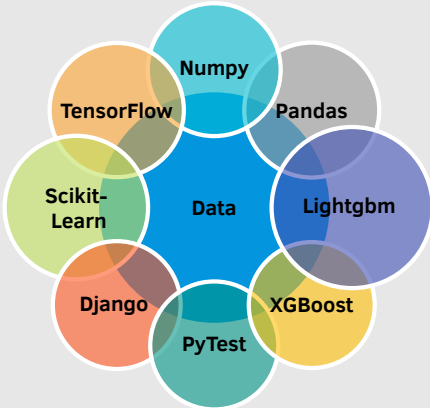
Capabilities



Programming Skills

- Python
- Linux • Git
- Microsoft Office • SQL
- Docker • Message Brokers

Python Libraries



Languages

- Turkish (C2 - Native Language)
- English (C1 - Professional Work Ability)
- Arabic (A2 - Elementary Level)

Projects

Django App	muhammedbuyukkinaci.com	GitHub Link
	<ul style="list-style-type: none">• A dynamic Django Application deployed on a VPS of DigitalOcean.• Using Bootstrap, JavaScript, PostgreSQL, NGINX, Gunicorn and Docker to build up the website.	
Time Series	Bitcoin Trading	GitHub Link
	<ul style="list-style-type: none">• Building up an LSTM model to predict price volatility on 4-hourly Bitcoin data.• Obtaining relative signal on whether to trade or not.	
Image Segmentation	DeText	GitHub Link
	<ul style="list-style-type: none">• Creating an imitated dataset via printing texts on images.• Training a UNet model to remove texts on images via TensorFlow.	
Image Classification	Multiclass Image Classification With TensorFlow	GitHub Link
	<ul style="list-style-type: none">• Training a CNN (AlexNet) on multiple classes from scratch.	
Object Localization	Object Localization With TensorFlow	GitHub Link
	<ul style="list-style-type: none">• Building a multiple-headed CNN, one for regression and one for classification.	
Sentiment Analysis	Sentiment Analysis with TensorFlow	GitHub Link
	<ul style="list-style-type: none">• Solving the binary classification problem with LSTM's and GRU's.• Implementing Conv1D and Conv2D before LSTM and GRU layers.• Adding Attention layer & BN layer before Dense layers.	

Certificates

Linux	Linux A-Z™	Certificate Link
	<ul style="list-style-type: none">• Completing a 10-hours Linux Course on Udemy.• Listing my notes on a GitHub Repository.	
Docker	Docker A-Z™	Certificate Link
	<ul style="list-style-type: none">• Completing a 16-hours Docker Course on Udemy.• Putting my takeaways upto a GitHub Repository.	
Big Data	Big Data A-Z™	Certificate Link
	<ul style="list-style-type: none">• Completing a 12-hours Big Data Course on Udemy.• Having a general knowledge on Apache Kafka, Hadoop, Spark and NoSQL technologies.• Listing my learnings on Github.	