



# 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 more than 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 such as 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 Scientists 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 for the use 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**

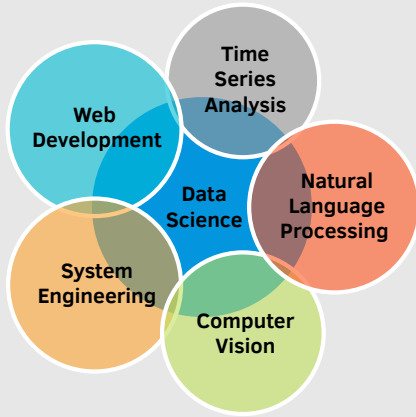
- Coming in 147th in 2017 Spring ALES(Academic Personnel and Postgraduate Education Entrance Exam) among 300 thousand people.

2012 YGS

**Coming 300th in Turkey**

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

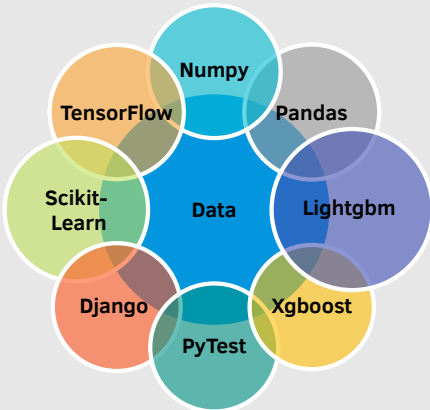
# Capabilities



## 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	<b>muhammedbuyukkinaci.com</b>	<a href="#">GitHub Link</a>
	<ul style="list-style-type: none"><li>• A dynamic Django Application deployed on a VPS of DigitalOcean.</li><li>• Using Bootstrap, JavaScript, PostgreSQL, NGINX, Gunicorn and Docker to build up the website.</li></ul>	
Time Series	<b>Bitcoin Trading</b>	<a href="#">GitHub Link</a>
	<ul style="list-style-type: none"><li>• Building up an LSTM model to predict price volatility on 4-hourly Bitcoin data.</li><li>• Obtaining a fractional important signal on trading.</li></ul>	
Image Segmentation	<b>DeText</b>	<a href="#">GitHub Link</a>
	<ul style="list-style-type: none"><li>• Creating an imitated dataset via printing texts on images.</li><li>• Training a UNet model to remove texts on images via TensorFlow.</li></ul>	
Image Classification	<b>Multiclass Image Classification With TensorFlow</b>	<a href="#">GitHub Link</a>
	<ul style="list-style-type: none"><li>• Training a CNN (AlexNet) on multiple classes from scratch.</li></ul>	
Object Localization	<b>Object Localization With TensorFlow</b>	<a href="#">GitHub Link</a>
	<ul style="list-style-type: none"><li>• Building a multiple-headed CNN, one for regression and one for classification.</li></ul>	
Sentiment Analysis	<b>Sentiment Analysis with TensorFlow</b>	<a href="#">GitHub Link</a>
	<ul style="list-style-type: none"><li>• Solving the binary classification problem with LSTM's and GRU's.</li><li>• Implementing Conv1D and Conv2D before LSTM and GRU layers.</li><li>• Adding Attention layer &amp; BN layer before Dense layers.</li></ul>	

# Certificates

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