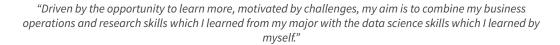# Kubilay Yavuz

DATA SCIENTIST

Istanbul, Turkey

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"Driven by the opportunity to learn more, motivated by challenges, my aim is to combine my business operations and research skills which I learned from my major with the data science skills which I learned by myself."

Summary

Data Scientist at Getir. Bachelor of Science in Industrial Engineering. Attended to lots of data-oriented hackathons. This helped me deduce fast and robust output during a project, also, enhanced my knowledge about how the businesses' data related teams operate during the daily workflow.

Skills

Programming	Python, R, SQL, C++, Linux Bash, JavaScript, ReactJS
Concepts	Deep Learning, Machine Learning, Computer Vision, Data visualization and analysis, Web Scraping, Big Data, Operations Research, Optimization
Cloud and DB Systems	Google Cloud, Microsoft Azure, Amazon Redshift, MongoDB
Packages	Tensorflow, PyTorch, Requests, LightGBM, XGBoost, Catboost, Pandas, Keras, Numpy, scikit-learn, Tkinter, Seaborn, Flask, Matplotlib, OpenCV, pySpark
Tools	Jira, Git, Power BI, Tableau, SAP Analytics Cloud, MS Office
Languages	English(Advanced), German(Beginner), Turkish(Native)

Education

Boğaziçi University *Istanbul, Turkey*
B.SC. IN INDUSTRIAL ENGINEERING *August 2015 - June 2020*
- **Courses:** Data Structures and Object Oriented Programming, Systems' Statistical Modeling, Statistical Time Series Forecasting, Statistical Data Mining, Enterprise Database Systems Modeling, Operation Research with Optimization Methods, Statistical Inference

Work Experience

Getir *Istanbul, Turkey*
DATA SCIENTIST *February '20 – Current*
- Working on the generic shelf placement optimization of the warehouses
- Implemented generic heuristics and CVRP for courier routing
- Side projects such as Churn Prediction, Analysis for other departments
- Heatmap visualization of the warehouses
- Conducted analysis on users' in app movements, behaviours, funnel analytics

LC Waikiki *Istanbul, Turkey*
COMPUTER VISION RESEARCH INTERN *June '19 – August '19*
- Objective: Finding the type, color, pattern, gender, segment of the subject clothing from a picture of it, then searching through the database to find the most similar product to the subject clothing
- Used Keras, Tensorflow, matplotlib, pandas, deployed to web via Flask
- Made presentation to CDO and managers every week
- At the end of the project, deployment of the model to the mobile app was discussed

Anadolu Efes Beverage Group *Istanbul, Turkey*
BUSINESS SOLUTIONS INTERN *Dec '18 – Feb '19*
- Worked on the Salesforce's integration to the company.
- Mostly dealt with data protocols with the vendor.
- Integration of the dashboards from Qlik Sense to Salesforce

Enqura IT *Istanbul, Turkey*

Business Intelligence Intern *June '18 – August '18*

- Worked on a large-scale FMCG company's data.
- Conducted feature engineering, data visualization using Power BI, and SQL.

Projects, Publications & Courses

Meta-learning for Algorithm Ranking in Forecasting Tasks *Istanbul, Turkey*

Python, R. Packages: Keras, Catboost, matplotlib,numpy, pandas, Scikit-learn *January 2020 - Current*

- Currently working on the prediction of the electric consumption of Turkey.
- Graduation project. Our project advisor is Assistant Professor Mustafa Gökçe Baydoğan Ph.D.

BUYAK Data Analytics Challenge *Istanbul, Turkey*

Mainly Used Python. Used packages: Keras, Catboost, matplotlib,numpy, pandas, Scikit-learn *February 2020*

- Second place prize winner
- The ING Bank case was prediction of state of the withdrawal part of the ATM in the next two weeks. The case lasted 6 hours. During the case we manipulated raw data, conducted feature engineering, and deployed a classification model).
- The PepsiCo case included Time Series Forecasting, lasted one week on Kaggle.

Serathonin – Capital Market Hackathon *Istanbul, Turkey*

Python, Used packages: Keras, Catboost, LightGBM, matplotlib, pandas, SQL, Requests, Flask, TensorTrade *October 2019*

- Created a machine learning backed personal dashboard for capital market investors.
- We used tweets and KAP news and made sentiment analysis, used RL and Decision Tree models, then created a basic dashboard with flask.
- We were provided with APIs.

Teknofest Artificial Intelligence Competition 5th place *Istanbul, Turkey*

Python, Used packages: Keras, keras-retinanet, Tensorflow, pandas *September 2019*

- Created an ensembled customized object detection model detecting vehicles and pedestrians from drone footage of approx. 70-50 meters. (More info available on my github page.)

Turkish Airlines Travel Datathon *Istanbul, Turkey*

Python, Used packages: Keras, LightGBM, Catboost, matplotlib, scikit-learn, pandas, SQL *September 2019*

- Used Catboost, Neural Networks, Linear Regression to predict the passengers' count doing the specific flight
- The other case was related with database structure and design, pulling the specified flight from the database using SQL.

LC Waikiki Datathon 2nd place *Istanbul, Turkey*

Python, Used packages: Keras, LightGBM, pandas, matplotlib *March 2019*

- Second place prize winner
- Used LightGBM, and Keras to classify whether a person will churn or not in the next period

Vestel V-Intelligence Computer Vision Competition *Istanbul, Turkey*

Python, Used packages: Keras, Tensorflow, pandas, matplotlib *June 2019*

- Detection of the care symbols attached to clothes

Sackathon SAP Analytics Cloud Finalist *Istanbul, Turkey*

Python, SAP Analytics Cloud | Pandas, scikit-learn *March 2019*

- Objective was to create a dashboard for basketball coaches, players. The competition held online.
- The final stage was held in Barcelona. The event was organized by SAP and Euroleague.
- During the final stage, we presented our projects to C-level managers of Barcelona, Sap, and Euroleague

Extracurricular Activity

Turkey Technology Team Foundation *Istanbul, Turkey*

Volunteer Mentor and Instructor *January 2020 - August 2020*

Teaching middle-schoolers Robotics, and mentoring them with their project to Teknofest.