

# Selcuk Senturk

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## Summary

As a person that always followed technology, I learned programming when I was very young and my desire to computer science took me to the artificial intelligence. I continue to increase my knowledge in this area every day and I look forward to doing valuable projects.

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## Experience

### Data Scientist

KPMG Turkey • Istanbul, Istanbul

06/2023 - Present

Responsible for researching and applying data governance methodology to big companies of Turkey. Investigated how data collected, how secured, how transported etc. and tried to create a reliable and sustainable data governance methods. Also analyzed the data and tried to find where an error can occur and how to prevent data leakage or inconsistent results.

### Machine Learning Engineer

InfuseLoop • Izmir, Turkey

10/2022 - 02/2023

I'm currently working on creating question answering system with nlp models. I'm responsible for creating a pipeline for data collecting and processing, creating a reliable model with accurate results. Also I'm working on elastic search algorithm.

### Data Science Intern

JotForm • Ankara, Turkey

08/2022 - 09/2022

I worked as a data science intern in Anomaly Hunters Team at Jotform. I made a project to detect outliers in a time series data with using some statistical techniques and used Facebook's Prophet algorithm to detect anomalies. I also made another project to do future prediction (a.k.a forecasting). I've experienced the research and development process.

### Research Intern

Izmir Institute of Technology • Izmir, Turkey

07/2021 - 06/2022

I worked as an intern researcher with Mehmet Serkan Apaydin in a research project on machine learning. The problem we were trying to solve with machine learning was; Classification of proteins' family by creating a distance matrix that includes the distance of every CA atoms for each protein. We were trying to find the best performing preprocessing operations on that distance matrix to classify proteins better.

### Research Intern

Istanbul Technical University • Istanbul, Turkey

08/2020 - 06/2021

I worked as an intern researcher with Assoc. Seda Yanik and Prof.Dr. Neslihan Serap Şengör in a research project on machine learning. The problem we tried to solve with machine learning was this; Classification of customers' internet speed using machine learning for one of Turkey's largest internet service providers. My role in the project is to reduce the size of the data we have by performing PCA (Principal Component Analysis) operation, thereby reducing the cost of computing and increasing the performance of the machine learning model.

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## Education

# Physics

Izmir Institute of Technology • Izmir, Turkey

07/2023

Last year student.

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## Skills

Python, Data Analysis, Machine Learning, Deep Learning, Java, TensorFlow

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## Projects

- PCA with Numpy
  - Protein Fold Classification
  - Anomaly detection with Prophet
  - Forecasting with Prophet
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## Certificates

Machine Learning (Stanford University), Deep Learning [Specialization] (Deeplearning.ai), Mathematics for Machine Learning (Imperial College London)

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## Extra-curricular activities

**JPMorgan Chase & Co.** Virtual Experience Program on Forage - January 2022

*Learned these:*

- Interface with a stock price data feed
- Use JPMorgan Chase frameworks and tools
- Display data visually for traders
- Open source contribution

**Visa** Virtual Experience Program on Forage - February 2023

Learned Visa Token Service APIs and developing apps that is used for transactions. Also learned encrypt and decrypt sensitive data when working post and get requests.

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## Volunteer Work

- Working for LOSEV (Foundation for Children with Leukemia)
  - Voluntary translation for Fedora Project (a popular Linux distribution)
  - I have also translated a WHO document (with WHO's permission) called "Clinical management of severe acute respiratory infection when novel coronavirus (2019-nCoV) infection is suspected" to Turkish.
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## Languages

English, Turkish