


# Hilal Ilcin

## Data Scientist

Data Science has been self-studied by me for 1 year, and a master's program in data science was commenced by me in September 2023. A strong foundation has been established in Machine Learning and Deep Learning, with proficiency gained in key programming languages such as Python and SQL and actively working on advancing proficiency in these areas.

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London, United Kingdom 

## EDUCATION

### Data Science

Middlesex University, London ,UK(Master Degree)

### Mathematics

Uludag University, Turkey (Bachelor's Degree)

10/2018 - 07/2022

## WORK EXPERIENCE

### Mentorship

Machine Learning Turkey

09/2022 - 09/2023

#### Achievements/Tasks

- A team of 10 individuals was mentored by me, guided in Python and Data Science. Insights and knowledge in these areas were gained with my assistance.
- Provided mentorship in R and Deep Learning, creating educational programs to guide students and young professionals in enhancing their skills.
- Delivered private lessons on machine learning algorithms and data analytics, actively participating in projects to provide hands-on experience.

## PROJECTS

Machine Learning Turkey

#### Achievements/Tasks

- **Breast Cancer Detection - Python:** Features of breast cancer patient cells and normal person cells was extracted and ML model was created to classify malignant and benign tumor. Supervised machine learning classifier algorithm was used to complete machine learning project.
- **Churn Prediction - Python:** Utilized customer data to predict churn in a telecommunications company. Built and evaluated models including logistic regression, random forest, SVM, AdaBoost, and XGBoost . Achieved high accuracy and reduced churn by integrating the top model into the CRM system.
- **Energy Consumption Prediction:** Developed a Python project to forecast household appliance energy consumption using advanced time series models like ARIMA, SARIMAX, LSTM, RNN, and Hidden Markov Models. The project involved preprocessing, model development, training, evaluation, optimization, and deployment, aiming to identify the most effective prediction method.

## ORGANIZATIONS

Machine Learning Turkey

09/2022 - 09/2023

Mentorship

## GENERAL SKILLS

Python

Machine Learning

SQL

Deep learning

Data Visualization

Agile

Statistical Analysis

Data Mining

Pattern Recognition

Database Structures- Algorithms

Data Preparation

## TECHNICAL SKILLS

**Operating Systems:** Windows,Linux,MacOS

Database/Server:MySQL,PostgreSQL,SQLite, Azure Datalake.

**Tools & Techniques:**

Python, R, NumPy, Pandas, Matplotlib, Scikit- learn, TensorFlow, PyTorch, Classification, Regression, Big Data, Keras.

**Other Tools:**

PowerBI, Tableau, Azure, Minitab.

## SOFT SKILLS

Communication, Problem Solving, Critical Thinking, Teamwork, Adaptability, Time Management, Leadership, Creativity.

## CERTIFICATES

- Python Essential Training (LinkedIn)
- Data Modelling (LinkedIn)
- Python for Data Science Essential Training (LinkedIn)
- Python Data Analysis (LinkedIn)
- Data Warehouses, Data Lakes and the Cloud (LinkedIn)
- Apache Spark Essential (LinkedIn)

## LANGUAGES

• **English**

Full Professional Proficiency

• **Turkish**

Native

## INTERESTS

- Tennis
- Swimming
- Playing flute