



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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EDUCATION

Data Science

Middlesex University, London ,UK(Master Degree)
09/2023 - 10/2024

Mathematics

Uludag University, Turkey (Bachelor's Degree)
10/2018 - 07/2022

WORK EXPERIENCE

Data Scientist

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 Forecasting:** Developed a Python project to predict energy consumption in Germany's NUTS 2 regions using advanced deep learning models, including Long Short-Term Memory (LSTM), Recurrent Neural Network (RNN), Gated Recurrent Unit (GRU), One-Dimensional Convolutional Neural Network (1D-CNN), and Temporal Convolutional Network (TCN). The project involved data preprocessing, feature engineering, and time series analysis. The models were optimized through hyperparameter tuning, with the best method for forecasting identified and tailored for real-time energy management applications.

ORGANIZATIONS

Machine Learning Turkey (09/2022 – 09/2023)

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, Scikitlearn, 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** Professional Working Proficiency
- **Turkish** Native

INTERESTS

- Tennis
- Swimming
- Playing flute