TURGUT OZAL GUVENC
DATA SCIENTIST-FRONTEND DEVELOPER

Male

01.01.1994

+1 857 251 7445

turgutguvenc60@gmail.com

https://www.linkedin.com/in/turgut-ozal-guvenc/

Boston/USA

CERTIFICATIONS

08.2023 - 10.2023:
Build Advanced GANs
Online Learning-Coursera

06.2023 - 08.2023:
SQL for Data Professionals
Online Learning-CodeBasics

05.2023 - 08.2023:
Build Advanced GANs
Online Learning-Coursera

05.2023 - 08.2023:
Build Basic GANs
Online Learning-Coursera

03.2022 - 04.2023:
PowerBI Data Analytics
Online Learning-CodeBasics

06.2022 - 04.2023:
Deep Learning Specialization
Online Learning-Coursera

11.2022 - 01.2023:
Convolutional Neural Networks
Online Learning-Coursera

10.2022 - 11.2022:
Structuring Machine Learning Projects
Online Learning-Coursera

EDUCATION

- **Massachusetts Institute of Technology(MIT) / Cambridge-USA**

  Micro-master Degree in Data Science   2023 - Present

- **Marmara University / Istanbul-Turkey**

  Bachelor's degree in Economics   Sep 2022 - Jun 2016

WORK EXPERIENCE

- **Vakifbank**

  Position: Data Analyst   2018 **-** 2021

  - Vakifbank is one of the leading multi-specialist banks in Turkey and ranked second as the largest bank in the country.

  - My Tasks:
  * I utilized SQL to efficiently extract and organize data from databases, enabling robust evaluation of loanviability and identification of loans at risk of default. I developed advanced techniques and intuitive dashboardsto derive insightful analytics in agricultural and risk management for the bank.

  * I automated manual Excel processes into SQL workflows, leading to a remarkable 25% reduction in report and dashboard delivery time, significantly improving business operations.

  * I created comprehensive reports, and dynamic, interactive dashboards, and conducted impactful KPI analysis forcredit and credit card sales teams, providing valuable guidance, aiding in achieving targets, and identifyingcreditworthy individuals. I responded promptly to ad-hoc report requests, ensuring timely and accuratedelivery of actionable insights and supporting data-driven actions for effective strategy execution.

  * I actively participated in testing and maintenance of the segment-based interest APR recommendationalgorithm, ensuring its accuracy and efficiency in delivering optimized solutions.

  * I improved business processes by doing systematization of manual work, preparing business unit reports, making Ad-Hoc report requests, and developing KPI reports,

  * I performed descriptive and predictive data analysis, reports, visualizations, and dashboards with PowerBI for different departments,

  * I tested segments and maintained the interest rate recommendation algorithm using SAS programming Language.

- **Balik Sofrasi Fishing Restaurant**

  Position: Co-founder   2014 **-** 2018

08.2022 - 10.2022:

Improving Deep Neural Networks: Hyperparameter Tuning, and Optimization
Online Learning-Coursera

06.2022 - 08.2022: Neural Networks and Deep Learning
Online Learning-Coursera

01.2022 - 06.2023:

Probability - The Science of Uncertainty and Data
 Massachusetts Institute of Technology(MIT) / Cambridge-USA

12.2021 - 06.2022:

Data Science and Machine Learning Bootcamp(300 Hours)
Bootcamp - VBO Data Science School

08.2021 - 12.2021:

Data Science and Machine Learning
Online Learning-Udemy

01.2021 - 06.2021:

Complete Python Bootcamp From Zero to Hero
Online Learning-Udemy

REPOSITORIES:

Data Science:
https://www.kaggle.com/turgutguvenc

GitHub:
https://github.com/turgutguvenc

Portfolio:
**https://turgutguvenc.github.io/turgutguv
enc_portfolio_website/**

PROJECTS

------- Frontend Development Projects -------
1. Personal Website with Angular
2. Product Sale Website with Angular and ASPNET Core

 ------- Data Science and ML Projects -------
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1. Business Insight 360 with PowerBI
2. Customer Churn Analysis
3. Data Modeling with Apache Cassandra
4. House Price Prediction with Multiple Machine Learning Models
5. Time Series Analysis for Stock Market
6. Sign Language Detection
7. Neural Machine Translation

- I founded a seafood restaurant with my business partner, located in Tekirdağ, on the western coast of Turkey,

- I ran a wholesale business selling fresh and frozen fish to 8 different cities in Turkey.

SKILLS

● **Frontend Development**

Frontend with React   2022 **-** Current

Technologies: HTML, CSS, Bootstrap, JavaScript, React

● **Machine Learning**

Machine Learning Model Training
and Future Predictions   2018 **-** Current

Supervised Machine Learning Algorithms for Regression and ClassificationProblems, Unsupervised Machine Learning for Clustering and AssociationProblems in every type of Business and Organizational Goals

Libraries: Scikit-Learn, Scipy, NLTK

● **Data Science and Analysis**

Exploratory and Statictical Data
Analysis   2018 **-** Current

I am well-versed in exploratory and statistical data analysis. I can efficiently use libraries such as Pandas, Numpy, Scipy, Matplotlib, Seaborn, Power BI, SAS, PySpark, Databricks, and Advanced Excel, enabling me to offer comprehensive data insights.
Libraries: Pandas, Numpy, Scipy, Matplotlib, Seaborn, Power BI, SAS, PySpark, Databricks, Advanced Excel.

● **Deep Learning**

Deep Learning Model Training and
Future Predictions   2022 **-** Current

1. Artificial Neural Networks: Regression and Classification Problems for every kind of business and organizational problems.

2 . Recurrent Neural Networks: Image captioning, time-series analysis, natural language processing, handwriting recognition, and machine translation.

3. Convolutional Neural Networks: Image Classification and Recognitions in computer vision problems.

4.Semantic segmentations, Transfer Learning, Natural Language Processing(NLP)

Libraries: Tensorflow, Keras, NLTK. PyTorch,

● **Computer Vision**

Deriving meaningful informationfrom digital images, videos and othervisual inputs   2022 **-** Current

1. OpenCV:Developing real-time computer vision applications.

2 . Convolutional Neural Networks: Object Detection, Image Classification and Recognition in computer vision problems.

Libraries: OpenCV, Tensorflow, Keras

- **Software Development**

Backend and Frontend Development: 2022 **-** Current

1. Backend:Python, Object Oriented Programming

2. Tools: Git, Github, SQL, JIRA, Docker, Apache Cassandra,AWS

Libraries: OpenCV, Tensorflow, Keras

- **Software Development**

Backend and Frontend Development: 2022 **-** Current

1. Backend:Python, Object Oriented Programming

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