

Gökcan Kahraman

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EDUCATION

Associate Degree, Anatolian University

Computer Programming

Eskişehir, Turkey

2023 -

B.Sc., Bilkent University

Electrical and Electronics Engineering

Ankara, Turkey

2017 - 2023

İzmir Science High School

Izmir, Turkey

2013 - 2017

EXPERIENCE

SnA Consulting - Data Engineer | October 2023 -

- I perform collecting and validating operations to improve the quality of data using Python and SQL.

Mercedes Benz Türk A.Ş. - Internship | June 2022 - August 2022

- I gained experience in flashing ICCO Connect5, one of the brain of trucks, with GTT.

DVLX - Internship | August 2021

- I made the design of 555pwm on EAGLE. Then, I printed the circuit on the CNC machine and soldered it. I also worked on the autonomous vehicle project and 3D printer projects.

SUNY Oswego - Internship | June 2015

- At the university, I studied semiconductors with professors Ildar Sabirianov and Carolina Ilie, and I tried to produce semiconductors as materials that can be transformed and more efficient in nature.

PROJECTS

Prediction of House Prices | Python

- I evaluated various ML models, such as linear regression, regression tree, and neural networks.
- After the implementation of PCA, I obtained the results using k-fold cross validation.
- All algorithms are coded without using machine learning libraries such as scikit-learn and tensorflow.

Generation of images from texts using GAN architecture | Python

- For this project I wrote a text2image algorithm and created a new image according to the desired text.
- I implemented text embedding by creating an embedding matrix.

In-depth Investigation of the Stochastic System of Football with Reinforcement Learning Method | Python

- In this paper, I analyzed player performances using reinforcement learning methods such as Markov Chains, Bellman algorithm, and Q-learning.

FPGA Based Video Processing | MATLAB

- In this project, Arçelik asked me to build an FPGA-based video processing system. Through MATLAB and Simulink, I was able to obtain the video we want by passing the video through various filters and using IPCores.

TECHNICAL SKILLS

Languages: English, Turkish, German

Programming Languages: Python, SQL, MATLAB, C/C++, Power BI

Libraries: pandas, numpy, tensorflow, scikit-learn, seaborn, ggplot2

Data Engineering: DBT, DBeaver, Docker, Flask, Django, Airflow

Concepts: Data Engineering, Statistical Learning, Data Science, Deep Learning, Stochastic Modelling

Additional Skills: Arduino, LTSpice, EAGLE, VHDL, ROS

CERTIFICATES AND VOLUNTARY WORKS

Certificates: PFSA — Introduction Into Football Scouting, PFSA — Level 1 Opposition Analysis In Football, Python — Advanced Programming from Zero (2020), 15 Days of SQL: The Complete SQL Masterclass 2023, ISWEEP

Representation in Turkey

Voluntary Works: Voluntary at TEMA and LÖSEV, Active Member at IEEE, Sports Writer at Gazete Bilkent