

# Gökcan Kahraman

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## EDUCATION

<b>Associate Degree, Anatolian University</b> <i>Computer Programming</i>	Eskişehir, Turkey 2023 -
<b>B.Sc., Bilkent University</b> <i>Electrical and Electronics Engineering</i>	Ankara, Turkey 2017 - 2023
<b>İzmir Science High School</b>	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 ICCC Connect5, one of the brain of trucks, with GTTT.

### **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 IP Cores.

## 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