

Deniz Sağmanlı

Istanbul, TR | +90 541 683 2575 | denizsagmanli@gmail.com

GitHub: github.com/dsagmanli | Website: dsagmanli.github.io

EXPERIENCE

Türkiye İş Bankası (İşbank) , Data Scientist & System Specialist, Istanbul	November 2024-Present
<ul style="list-style-type: none">Developed predictive Machine/Deep Learning models for banking and financial forecasting.Designed and implemented large-scale Generative AI assistant applications to improve workflow efficiency.Optimized Machine Learning algorithms for classification tasks, improving model accuracy and performance.	
Lifemote Networks , Customer Success Manager, Istanbul	May 2022-August 2023
<ul style="list-style-type: none">Supervised ISPs within the UK and Greenland.Engineered a Data Science and Analytics algorithm to track ISPs' mesh upgrade success rates, reducing unnecessary truck-roll and mesh upgrade costs by 26%.Trained end-users and facilitated the onboarding of new customers.Amplified product value for 18% of customers by leading and coordinating taskforces.	
n11.com , Data Science Department Intern, Istanbul	June-July 2021
<ul style="list-style-type: none">Programmed a Machine Learning algorithm that predicts the probability of churn of customers with 76% accuracy using their purchase data.	
Liebherr , Mobile Crane Department Intern, Istanbul	June-July 2020
<ul style="list-style-type: none">Replaced the electromagnetic angle sensor of a mobile crane.Advocated the error analysis and switch replacement of cranes.	

EDUCATION

University of Nottingham, School of Science , Nottingham	2023-2024
MSc in Computer Science, GPA: Distinction (4.0/4.0)	
Koç University, College of Engineering , Istanbul	2018-2022
BSc in Electrical and Electronics Engineering, GPA: 3.2/4.0	
TED Istanbul College , Istanbul	2014-2018
GPA: 87.4/100.00, Honor Award of Foreign Languages Department Chairperson of School Board as an Independent Candidate	

PROJECTS

Detection of Dengue Fever Cases Using Machine Learning	2024
<ul style="list-style-type: none">Forecasted Dengue cases for 2 cities using 3 different ML models.Achieved a 4% improvement over the current #1 solution on DrivenData (out of 5600+ competitors).	
Sentiment Analysis of 2020 U.S. Presidential Election Tweets	2024
<ul style="list-style-type: none">Categorized the sentiment of 2 million tweets, determining the polarity of voters using novel Big Data approaches.	
Autonomous Drone SLAM, Positioning and Real-time Object Detection	2021-2022
<ul style="list-style-type: none">Developed an Autonomous Flying Drone, with a web-based user interface, Object Detection using Deep Learning with 90% precision, SLAM and 3D Mapping.Exhibited at Consumer Electronics Show (CES) 2022 in Las Vegas.US Air Force, Department of Defense and a French company wanted to incorporate the project into their operations.	
Smart Home Security System	2021-2022
<ul style="list-style-type: none">Created a security system that can sense fire, sound and movement using flame, sound, and infrared sensors.The system gathered data and sent notifications to mobile phones over Wi-Fi in the event of a fire or burglary.	

LEADERSHIP & AWARDS

Vehbi Koç Scholar Honors Award	2021
<ul style="list-style-type: none">Awarded to students who are academically outstanding at Koç University.	
Licensed Basketball Player , Istanbul	2011-2017
<ul style="list-style-type: none">Played for Darüşşafaka, Okyanus College Sports Club, High School Basketball team.	
European Youth Parliament Conferences , Turkey	2014-2018

- Collaborated in 11 EYP Conferences as Chairperson, Journalist, Delegate, Video Editor and Organizer.

SKILLS

Technical: Experience in Machine Learning, Data Analysis, Data Visualization, Data Science and Big Data. Proficient user of Python, SQL, Tensorflow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, PySpark, R, MS Office, Docker, Linux, Java, MATLAB, C, C++, Swift, HTML, CSS, PHP, JavaScript, VHDL.

Languages: Fluent in English, Turkish. Above-intermediate level German. Beginner level Russian, French.

Interests: Scuba diving, Snowboarding