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Çağatay Yağmur

Data Engineer

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I am a dedicated and versatile data professional with over 2 years of experience in data-related fields. My journey began with developing a building detection model using deep learning methods and high-resolution satellite images during my undergraduate studies. Since then, I have continuously expanded my skill set, working on various data science and data engineering projects.

In the past year, I transitioned into a role focused on data engineering and data warehouse (DWH) analysis. I successfully designed and implemented a comprehensive data warehouse solutions and visualized through Power BI. This involved extensive database modeling, ETL process management, and cloud integration. My hands-on experience with modern data technologies and my commitment to continuous learning have equipped me with a strong foundation in both data science and engineering disciplines.

SKILLS

Tools and Languages	Python, SQL, NOSQL, PowerBI, QlikSense, Databricks, Azure Cloud Platforms, Google Earth Engine
Frameworks	Tensorflow, FastAPI, Django Rest API
Familiar Libraries	OpenCV, Pandas, Numpy, Matplotlib, PyQt, ArcGIS JS API,
Quantitative Research	Data Warehousing, Computer Vision, Remote Sensing
Communication	Turkish (Native), English (Fluent Speaker), German (Beginner)

EDUCATION

Master of Science in Satellite Communication and Remote Sensing , <i>Istanbul Technical University</i>	Feb 2022 — Present
Bachelor of Science in Geomatics Engineering , <i>Istanbul Technical University</i>	Aug 2016 — Jan 2022

BACHELOR THESIS

Automatic Building Detection Using Very High Resolution Satellite Imagery <i>Istanbul Technical University</i>	Sep 2020 — Jun 2021 <i>Istanbul, Turkey</i>
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- Participated in the selection of Deep Learning Algorithms and Fine Tuning stages
- Participated in finding and preparing high resolution satellite images as datasets.
- Participated in the process of turning the project into an academic article

TECHNICAL EXPERIENCE

Human Resources Data Warehousing Development <i>Bis Solutions</i>	Nov 2023 — Present <i>Istanbul, Turkey</i>
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- Participated in the development of KPIs
- Established the warehouse structure and ensured data flow
- Integrated stored procedures into the created DWH structure
- Visualized datamart-level modules in alignment with the created KPIs using PowerBI

Speech to Text Solutions with using Deep Learning Methods <i>Infinidium Tech</i>	Dec 2022 — May 2023 <i>Istanbul, Turkey</i>
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- Understanding what is the focus and purpose of the Call Center interviews and instant feelings and thoughts of the interviewers and making quick decisions.
- Participating Database Architecture, AI model development and API development.

Data Interpretation with Optical Character Recognition Models <i>Infinidium Tech</i>	Jun 2022 — Feb 2022 <i>Istanbul, Turkey</i>
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- In line with the needs of the user, participated in taken part in the development of the necessary interfaces and the business logic that will work in the background for loading and processing a document and labeling it.
- Responsibility was taken for writing the necessary API services for the application to work cross platform.
- Participated at Database Architecture, AI model development and API development.

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Map Module Development

Infinidium Tech

Feb 2022 — Aug 2022

Istanbul / Turkey

- Using Arcgis Js Api, prepared layers were prepared in full functional display phase.
- Drawing modules were developed on the map and took part in the process of inserting to the database in proper coordinate system.
- Participated at the business structure of map module ,and responsibility was taken for the use and production of the necessary layers

ANPR Systems with using Deep Learning Methods

Infinidium Tech

Nov 2021 — Jan 2022

Istanbul, Turkey

- A model has been developed that first works on the detection of the vehicle and then the license plate in a photograph taken.
- Acquired image plate made sense with open source OCR models.
- It was turned into a web project by adding FLASK as a backend.

CERTIFICATES

Trendyol Data Management Bootcamp by Coderspace

Oct 2023

Microsoft Certified: Azure Data Fundamentals

Oct 2023

Paycore .Net/ .Net CORE Bootcamp by Patika

Sep 2022

Mobile Application Development with Flutter Course by BT Academy

Jul 2022