

ABOUT ME

Motivated and detail-oriented Data Science student with a strong foundation in software development and a growing passion for data-driven solutions. Skilled in Python, SQL, and data visualization. Currently focused on developing machine learning models and conducting real-world data analysis projects. Eager to contribute to innovative AI teams and continuously learn emerging technologies in the field.

SKILLS

Python (Pandas, NumPy, Scikit-learn)



SQL (PostgreSQL, MySQL)



Data Visualization (Matplotlib, Seaborn)



Machine Learning (Supervised & Unsupervised)



Data Cleaning & Preprocessing



TensorFlow / PyTorch (beginner)



WHAT I USE

- **Python, Pandas, NumPy** – For data analysis, transformation, and numerical computing.
- **Scikit-learn, Statsmodels** – For building and evaluating machine learning models and statistical tests.
- **Matplotlib, Seaborn** – For creating clean and informative data visualizations.
- **SQL (PostgreSQL, MySQL)** – For querying and managing structured data in databases.
- **Jupyter Notebook, Google Colab** – For interactive development, experimentation, and reporting.
- **HuggingFace Transformers** – For fine-tuning and using pre-trained NLP models.
- **Git, GitHub** – For version control and collaborative project management.

CERTIFICATES

- **IBM Data Science Certificate**
- **IBM Machine Learning Certificate**
- **IBM AI Developer Specialization Certificate**

VAHDETTIN KARATAS

JUNIOR DATA SCIENTIST | MACHINE LEARNING DEVELOPER

CONTACT

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EXPERIENCE

04/2023-11/2023

MOBILE DEVELOPER

TUZLA-TASARIM

Collaborated on Android development using Kotlin. Built user interfaces and worked with APIs and databases. Strengthened problem-solving skills and backend understanding, later applied in data handling tasks for DS projects.

09/2022-02/2023

MOBILE DEVELOPER

LOSCART

Worked on UI development and REST API integration using Flutter. Gained experience in parsing JSON/XML data – foundational for working with real-world datasets in ML workflows.

01/2021-08/2022

SOFTWARE DEVELOPER

CRIPTOSWAPS

Developed full-stack web applications using React.js, Node.js, and MySQL. Experience with data flow between frontend and backend improved my understanding of structured data – useful for analysis pipelines in current DS projects.

01/2016-01/2018

WEBMASTER

Created and managed client websites. First step into programming and understanding how to structure, update, and manage content systems – later supported my transition into backend logic and data-focused development.

EDUCATION

10/2018-10/2020

Computer Science-Bachelor

Politechnika Wrocławska-Poland

I could not finish it because of complicated pandemic situation.

10/2023-6/2026

Data Science-Bachelor

Czech University of Life Sciences in Prague

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Dear Hiring Manager,

I'm excited to apply for a position in Data Science or Machine Learning at your company. As a Data Science undergraduate with a background in software development, I bring both strong coding foundations and a growing passion for data-driven decision-making. I consider myself between junior and mid-level in terms of experience, and I'm currently focused on transitioning fully into the data science domain.

During my previous work as a software developer, I contributed to several projects involving both frontend and backend technologies such as React.js, Node.js, and MySQL. These experiences helped me develop solid problem-solving and team collaboration skills, which I now apply in my current studies and data-related projects. For instance, I've recently worked on a chatbot that integrates large language models with structured football match data, and I also analyzed satellite imagery to detect urban changes after the 2023 Turkey earthquake using Python and GIS tools.

In addition to coursework and applied data projects, I've also started building my own small-scale large language model (LLM) as a learning project. My goal is to understand the full lifecycle of LLMs – from text preprocessing and embedding strategies to training and deployment – while keeping the system lightweight and educational. This project is teaching me not only about natural language processing and model tuning but also about managing system resources and designing modular, scalable data pipelines.

These hands-on experiences have strengthened my understanding of data collection, cleaning, preprocessing, modeling techniques, and evaluation metrics. I am particularly interested in applying statistical and machine learning models to solve real-world problems, and I'm constantly expanding my knowledge in areas like time-series analysis, classification, regression, and unsupervised learning.

I am open to internships, entry-level roles, or trial-based opportunities – anything that allows me to grow under the mentorship of experienced data scientists and make meaningful contributions. I'm a fast learner, a strong team player, and deeply motivated to build impactful AI solutions.

Thank you for considering my application. I would love the opportunity to speak further about how I can bring value to your team.

Best regards,
Vahdettin Karataş