

EMRE DEMIR

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OBJECTIVE

With over 3 years of experience in Software Engineering, I am passionate about solving challenges in a fast-paced environment. Excited to apply my skills and contribute effectively to impactful work.

EDUCATION

Master of Computer Science , Technical University of Munich	2021 - 2023
Bachelor of Computer Science , Anadolu University	2014 - 2019

SKILLS

- Python, Scala, SQL
- Kubernetes, Docker, Airflow, AWS, Azure, Apache Spark, Pytorch, sklearn, Flask, FastAPI

EXPERIENCE

Siemens Financial Services, Munich, Germany

Software Engineer (Part Time)

Dec 2021 - Present

- Built end-to-end ML pipelines from data preprocessing to model deployment on Azure using Python, PyTorch, scikit-learn.
- Developed full-stack ML applications on Kubernetes using Python, Angular, Streamlit and FastAPI.

Insider, Istanbul, Turkey

Machine Learning Engineer

July 2020 - Aug 2021

- Developed and maintained automated data pipelines on AWS using Python, Scala, Apache Spark and Apache Airflow.
- Built APIs and monitoring pipelines for ML models using AWS services like Kinesis, Lambda, Kubernetes and Grafana.
- Improved ML operations using Airflow, Kubernetes, Docker and AWS CodeBuild.

Vodafone, Istanbul, Turkey

Software Engineer

June 2019 - July 2020

- Developed a cloud chaos engineering tool using Python, Flask on OpenShift for performance and reliability.
- Built a cyber security vulnerability notification app using Python, Flask and MongoDB for inventory management.

SELECTED PROJECTS

LLM for Nutrition Inspection: Implemented the LLM-powered Food Content Information Chatbot, providing detailed information about packaged food contents. Incorporated Similarity Search with LLMs and FAISS database for enhanced responses.

Deep Learning Model Training Pipeline: Developed an automated Machine Learning pipeline to efficiently train hundreds of Resnet models. Achieved successful training of over 1200 Deep Learning models.