Muhammed Büyükk■nac■

Email: muhammedbuyukkinaci@gmail.com | Phone: +90 552 219 01 50 | Linkedin: MuhammedBuyukkinaci | Github: muhammedbuyukkinaci.com | Location: Istanbul-Turkey

Professional Summary

Detail-oriented and innovative Data Scientist with over 6 years of experience in applying engineering principles to data-driven solutions. Proficient in Python and Machine Learning Engineering, with a solid background in backend development and data engineering. Adept at collaborating with cross-functional teams to deliver impactful solutions. Committed to continuous learning and applying engineering fundamentals to solve complex problems.

Skills

Machine Learning:
Python, LightGBM, PyTorch, Hadoop, FastAPI, Docker
Cloud Services:
AWS, EC2, S3, IAM, VPC, RDS, ECR, EKS, DynamoDB
Data Engineering:
Apache Spark, PostgreSQL
Development:
Flask, Django
Tools:
MLFlow, PyTest, RabbitMQ
Technical Skills:
SQL, Linux, Docker, Kubernetes, Airflow, Engineering Calculations, Data Visualization

Professional Experience

Data Scientist

Hepsiemlak –
Dec 2021 - Present
• Predicting sales and rental prices of real estates using advanced Machine Learning techniques.
• Conducting comprehensive investigations to identify market trends and pricing anomalies.
• Developing a REST API that provides price predictions via ML models, enhancing decision-making processes.
• Creating various regression, segmentation, and classification projects utilizing image data to improve product offerings.
• Building a Fraud Detection System for Affiliate Marketing projects, contributing to improved operational efficiency.
• Utilizing Apache Spark to compute and analyze price indexes of different locations, delivering actionable insights.

Data Scientist

Urbanstat –

Oct 2019 - Dec 2021
• Developed machine learning-based risk scoring systems for automobiles and houses to assist insurance companies.
• Successfully reduced loss ratios by up to 7% through predictive analytics.
• Applied machine learning algorithms to predict wildfires and identify high-risk areas in California and the West Coast.
• Surpassed state government prediction models by leveraging SHAP library for interpretable outputs.
• Executed churn analysis for property insurance policies, leading to strategic retention initiatives.

Fraud Systems Engineer

Turkcell –
Sep 2018 - Oct 2019
• Participated in an ML project focused on predicting customer disputes regarding invoices, improving service compliance.
• Monitored and optimized Fraud & Credit Control services, ensuring operational integrity.
• Managed both physical and virtual machines to support infrastructure needs.
• Deployed software packages into production environments leveraging robust Linux and SQL skills.

Junior Data Scientist

Organon Analytics –
Apr 2018 - Aug 2018
• Designed and implemented dashboards for end users using the Shiny library in R, promoting data-driven decision-making.
• Conducted customer segmentation analyses through clustering techniques, enhancing marketing strategies.

Projects

Django App

A Django Application deployed on a Virtual Private Server (VPS) of DigitalOcean, demonstrating full-stack development skills.

Bitcoin Trading Series

Developed an LSTM model to predict price volatility on 4-hourly Bitcoin data, effectively generating actionable trading signals.

Image DeSegmentation

Created a simulated dataset by overlaying text on images and trained a UNet model to effectively remove text, improving data quality for further analysis.

Education

Bachelor of Science

Bo■aziçi University
Graduation Year: 2012
Relevant Courses: Statistics, Data Mining, Time Series Forecasting

Certifications

Introduction to Amazon Web Services, Issued:
Docker A-Z™, Issued:
Kubernetes Basics, Issued:
Complete MLOPS Bootcamp, Issued:
Linux A-Z™, Issued:
Big Data A-Z™, Issued:
Introduction to Apache Airflow, Issued:

Technical Proficiencies

Programming languages: Python
Machine learning libraries: LightGBM, XGBoost, Scikit-Learn, TensorFlow, PyTorch
Devops tools: Docker, Kubernetes, Airflow

References

Available upon request.