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|  | Huseyn Abdullayev  Data Scientist & ML Engineer  With several years of experience in data science and engineering, specializing in machine learning in the automotive and consulting industries, I can develop MLOps systems that automate machine learning workflows. My expertise in ML algorithms and optimization effectively contributes to cost reduction and time savings. | * huseyn\_abdullayev@outlook.de * [A black and white logo  Description automatically generated with low confidence](https://www.linkedin.com/in/huseyn-abdullayev-566a74123/) +49 (0) 1520 600 79 37   [Huseyn Abdulayev](https://www.linkedin.com/in/huseyn-abdullayev-566a74123/)  [Huseyn Abdullayev](https://github.com/HuseynA28) | | |
| **Professional Experience:**  09/2023 - Present | **Junior Data Consultant**  It-novum GmbHS   * Designed and implemented an end-to-end MLOps solution using open-source tools that optimized workload for data science teams and reduced costs by 30%. * Developed an ML model for anomaly detection for preventive maintenance in an automotive company, identifying potential failure causes and reducing downtime by 67%. * Participated in a project to build an MLOps infrastructure for a client, including setting up a data cleaning pipeline and infrastructure for the data science team for training and monitoring models in Snowflake. * Implemented and deployed an autoencoder ML model on Snowflake to detect system faults in pump operations, which increased operational efficiency by 45%. * Implemented a comprehensive MLOps framework using open-source tools, which streamlined CI/CD processes, enhanced model tracking, and monitoring, leading to a 20% reduction in operational delays and improved model deployment cycles for the client’s Data Science team. | |
| 03/2023 - 08/2023 | **Data Scientist**  AUDI AG   * Supported the modernization of the car manufacturing process by transferring production logic from Excel to KNIME data pipelines, reducing manual effort and saving 20% of preparation time per car. * Developed an optimization algorithm for the supply chain department, improving resource allocation and increasing the efficiency of the production line by 25%. * Created an XGBoost ML model for predicting engine resilience, analyzing key factors, and increasing prediction accuracy by 92%. | |
| 11/2021 - 03/2023 | **Big Data Analyst**  SVA System Vertrieb Alexander   * Developed a LightGBM model on Azure Synapse Analytics with an R-squared accuracy of 0.92 to predict the number of bicycles per station, implemented on Azure ML. * Achieved a 95% detection rate with minimal false positives in analyzing customer churn, leading to significant cost savings. * Built a data pipeline for a terabyte-sized dataset using Azure Databricks and Azure SQL for data cleaning and storage, and Power BI for visualizations, increasing the reliability and accessibility of data by 50%. * Participated in a project to create a customer segmentation analysis with RFM metrics in Azure, visualized with Power BI, helping the client identify and engage high-value customers, improving customer retention rates by 10%. | |
| 02/2020 - 11/2021  **Education:**  03/2019-06/2023  10/2010-07/2014  **Further Education**  04/2024-07/2024  07/2023 -01/2023  07/2022 - 01/2023  04/2022 - 07/2023  04/2022 - 09/2022  01/2022 - 05/2022  05/2022 - 09/2022  **Projects** | **Data Analyst**  Geschirr Box Kassel   * Analyzed customer data with Python and created a visualization dashboard that helped define target groups, enhancing marketing strategies.   **Master of Science in Economic Behaviour and Governance**  University of Kassel   * Field: Empirical Analysis in Economics * Focus: Business & Finance Consulting * Grade: 2.3   **Bachelor of Science in International Economics**  Nakhchivan State University   * Field: Economics Analytics * Focus: Economic & Financial Analysis * Grade: 1.9   Mlops-zoomcamp, Data TalksClub   * Inhalt: MLflow, AWS, Mage-ai, Docker, Evidently   Mlops Master Bootcamp. VBO  • Inhalt: Docker, Jenkins, MLflow, K8, FastAPI  Could Computing, The University of Texs at Austin  • Inhalt: AWS, Azure, GCP AWS  Could Technical Bootcamp, VBO  • Inhalt: AWS Services, Linux, Cloud Network  Data Science Program, Practicum USA  • Inhalt: Linear Algebra, Time Series, Computer Vision, and Unsupervised Learning  Data Science and Machine Learning Bootcamp, VBO  • Inhalt: Python, SQL, Machine Learning models Advanced Big  Data and Data Science at Scale Bootcamp VBO  • Inhalt: Machine Learning in Big Data, Docker & Kubernetes, Pykafka, Pyspark, Linux, Git, Hadoop, CI/CD and Jenkins, MLflow, Airflow, MongoDB   * **Snowflake MLOps**: CI/CD, Github, Docker, FastAPI, Snowflake, LinearRegression | [GitHub.](https://github.com/HuseynA28/Snowflake-MLOPS) * **AdPredictor ML-deployment:** CI/CD, Github, Docker, FastAPI, Ml Model | [GitHub](https://github.com/HuseynA28/AdPredictor-Web-services-model-deployment). * **Sentiment Analysis with Deep Learning and MLflow**: Python,TensorFlow, Keras, FastAPI, MLflow, Docker, MinIO, MySQL, Conda | [GitHub.](https://github.com/HuseynA28/Sentiment-Analysis-with-Deep-Learning-and-MLflow) * **ML algorithms**: Regression Models, KNN, Decision Trees, Unsupervised Learning, Gradient Boosting Machine and more | [GitHub.](https://github.com/HuseynA28/Machine-learning-algorithms) * **Deploying ML on Docker&Kubernetes**: Regression Model, FastAPI, Docker, Kubernetes, Minikube |[GitHub.](https://github.com/HuseynA28/Deploying-ML-with-FastAPI-on-Docker-Kubernetes) * **RFM Customer Segmentation**: Python, Pandas, Scikit-Learn, RFM | [GitHub.](https://github.com/HuseynA28/crm-analytics) * **Time Series Analysis**: Python, Prophet, XGBoost, Scikit-Learn, Statsmodels | [GitHub.](https://github.com/HuseynA28/Time-Series-ml-models) | |
| **Medium articles** | * **Automated ML Training and Deployment Using GitHub**:CI/CD, Docker, FastAPI | [Medium.](https://medium.com/@huseynabdullayev_34266/machine-learning-deployment-f5e2404cc31b) * **End-to-End Machine Learning (ML) Lifecycle**: ML Pipeline, Mage AI, CI/CD, Testing | [Medium.](https://medium.com/%40huseynabdullayev_34266/end-to-end-machine-learning-ml-lifecycle-mage-ai-bcb315b4b8f0) * **The Role of Data Science in Sustainability Analysis**: ML algorithms | [Medium.](https://medium.com/%40huseynabdullayev_34266/the-role-of-data-science-in-sustainability-analysis-14d3f726bc68) * **Experiment Tracking with MLflow**: Python, MLflow | [Medium.](https://medium.com/%40huseynabdullayev_34266/experiment-tracking-with-mlflow-45d05f3b22e4) * **Is Big Data Dead?!:** Relevance of big data vs. small data | [Medium.](https://medium.com/%40huseynabdullayev_34266/is-big-data-dead-75c5c718d591) | |
|  | German  English  Azerbaijani  Turkish  sgh | | |

**Machine Learning Enginer**

MLflow, Azure ML, Pyspark, FastAPI, Snowflake, Docker, ETL, CI-CD, Model Deloyment& Monitoring, Ochestration, Experiemnent-tracking

**Data Science**

Python, Pyspark, KNIME, SQL, Deep Learning, Mode Evaluation, ML models, Linear Algebra, Statistics and Probability, Calculus

**Big Data Analyist**

EDA, KPIs, Power BI, Pyspark, NoSQL, SQL, A/B tests

**Certifications**

* SnowPro® Advanced Data Scientist
* SnowPro Core Certification
* Microsoft Azure Data Scientist (DP -100)
* Getting Started with Data Science (SAC)
* Basic Proficiency in KNIME Analytics Platform
* Advanced Proficiency in KNIME Analytics Platform
* Data Engineering on Microsoft Azure (DP-203)
* Microsoft Azure Fundamentals (AZ -900)
* Microsoft Azure Data Fundamentals (DP-900)
* AWS Cloud Technical
* Databricks Lakehouse Fundamentals
* British Petroleum rewarded "Best Worker of the Year" in 2017