



## Contact

**Phone**

+49 152 23225547

**Email**

myf.abuhallala@gmail.com

**LinkedIn**

**GitHub**

**Portfolio**

## Skills

- Python
- SQL
- Looker Studio
- Amplitude
- Google Cloud Platform
- Docker
- Machine Learning
- A/B, Incrementality Testing, Causal Inference

## Languages

English | Fluent

German | Fluent

Arabic | Native

# Mohamed Abuhallala

## Data Scientist

Product-focused **Data Scientist** with 3+ years of experience, applying **machine learning, reinforcement learning, and behavioral analytics** in the **mobile ads & user acquisition space**. At Phiture, I lead the data science development of Catchbase, our in-house **Apple Ads management platform**, which autonomously manages campaigns, budgets and keyword bids in real-time using reinforcement learning algorithms.

## Experience

● **Apr 2022 - Present**  
Phiture GmbH | Berlin, Germany

### Data Scientist

- Developed **Catchbase**, Phiture's proprietary Apple Ads optimization engine, now a core SaaS product used by global brands including **Adobe, Lego, and Pinger**.
- Designed and deployed **reinforcement learning systems** for real-time Apple Ads campaign management.
- Ran **incrementality analyses** using controlled tests and **causal inference methods**.
- Designed **end-to-end ML pipelines** (model training, evaluation, deployment) using **GCP, MLflow, FastAPI, and Docker**.
- **Worked closely with product managers and UA teams** to scope features, define roadmaps, and align outputs with business goals.
- Analyzed user behavior data from top streaming platforms to uncover churn patterns and **improve retention strategy**.
- Conducted data audits for several clients and unlocked insights that reshaped their **user retention strategy**.

● **Jul 2024 - Sep 2024**  
USAID | Freelance Project

### Data Scientist – Disaster Risk & Climate Impact Analysis

- Conducted a comprehensive damage assessment in Eastern Libya following Storm Daniel.
- Analyzed satellite, geospatial, and climate datasets to assess infrastructure vulnerability.
- Co-authored and delivered a detailed policy report with actionable recommendations to enhance disaster preparedness and infrastructure resilience.

● **Jan 2022 - Mar 2022**  
Le Wagon | Berlin, Germany

### Teaching Assistant - Data Science

- Helped students practice concepts such as **A/B Testing**, Evaluation Metrics, TDD, CI/CD, and ML model training and validation.
- Reviewed teaching material and suggested improvements and changes.
- Assisted students with daily coding challenges and offered technical support.

● **Apr 2021 - Mar 2022**  
50Hertz Transmission GmbH | Berlin, Germany

### Data Analyst

- Developed ETL pipelines for energy data, completely eliminating the manual reporting process.
- Created and maintained the team's codebase on Azure DevOps.
- Built custom Python modules for parsing EDIFACT text files.

## Education

**Diploma in Data Science** Oct 2021 - Dec 2021  
Le Wagon Coding Bootcamp - Batch #735 | Berlin, Germany

**Hollywood Frame by Frame: A Deep Dive into On-Screen Diversity**  
• Used deep learning to analyze keyframes in over 200 Hollywood films and generated dashboards showing statistics on gender and race distribution (Final project).

**BSc in Civil Engineering** Jan 2016 - Jan 2020  
Technische Universität Berlin | Berlin, Germany

**Temperature-based Retention Time Prediction (Bachelor Thesis, 1,0)**  
• Created an algorithm for calculating retention times in pressure pipes using temperature time series data.

**Python workshop for post-grad students**  
• Led a workshop that introduced post-grad students to Python at the faculty of civil engineering at the TU Berlin.