



AHMED ALTAKROURI

Senior Data Scientist

I solve hard problems using data. My career focus is to utilize AI/ML for business. I have over 6 years of professional experience in machine learning and data science ranging from natural language understanding to forecasting models. My main interests and focus include but are not limited to: Probabilistic Machine Learning, Causal Inference, Natural Language Understanding and Bayesian Inference.

WORK EXPERIENCE

SENIOR DATA SCIENTIST

Sep 2022 - Apr 2023

Hyke.ai

- Churn prediction for purchasers.
- Purchase prediction.
- Credit risk and optimization.
- Customer segmentation for B2B.
- Demand Forecasting.
- Experimenting with Fine-tuning LLMs.

DATA SCIENTIST

May 2021 - Sep 2022

Investment and Development Office, Government of RAK.

- Churn prediction for customers of the economic zone.
- Predictive maintenance for machines used in mining groups.
- Uplift modeling for persuasion.

DATA SCIENTIST - CONTRACT

Nov 2019 - May 2021

Orange.com

- Incoming call prediction for call center.
- Call center speech logs topic identification.
- Churn prediction for mobile subscription.
- Identifying high potential sales areas.
- Social media crawling of users' complaints.
- Crawling competitors's websites to extract coverage areas.

DATA SCIENTIST - NLP

Nov 2017 - Nov 2019

Mawdoo3.com

- Large scale article classification model for Mowjaz.com.
- Large LDA modeling for Mawdoo3.com articles ~140K.
- Emotion detection in Arabic text.
- Sentiment analysis in Arabic text.
- Intent classification.
- Fine-tuning LLMs: Roberta and BERT for specific tasks.
- Associate rule mining for user's search keywords.
- Medical short text classification.

SOFTWARE ENGINEER

Mar 2015 - Aug 2017

KASPERCAB

- Full stack software engineer development for logistic app.

CONTACT

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🌐 <https://ahmed-altakrouri.github.io>

EXPERTISE

- Machine Learning
- Deep Learning
- Probabilistic Modeling
- Statistical Modeling
- Data Analysis
- Data Visualization
- Natural Language Processing
- Python, JavaScript.
- Libraries: Tensorflow, Keras, Scikit-learn, Pandas, Flask, XGboost, LightGBM, SHAP, Optuna, Plotly and Pymc4
- Cloud: Azure Databricks, Azure DataFactory, AWS, Mlfow, Airflow

SOFTWARE ENGINEER

Dec 2010 - Aug 2012

ICC Solutions

- Web development and IT administration tasks.

EDUCATION

Sapienza University of Rome, Italy

2012 - 2015

Master's Degree in Artificial Intelligence and Robotics

- Score (GPA: 29/30)

Applied Science University, Jordan

2006 - 2010

Bachelor of Software Engineering

PUBLICATIONS

Mawdoo3 AI at MADAR Shared Task: Arabic Tweet Dialect Identification.

- Bashar Talafha | Wael Farhan | Ahmed Altakrouri | Hussein Al-Natsheh Proceedings of the Fourth Arabic Natural Language Processing Workshop.

Semantic-based retrieving model of reuse software component.

- Dr. Nedhal A. Al Saiyd ,Dr. Intisar A. Al Said ,Ahmed H. ALTakrouri · Jul 7, 2010.

LANGUAGES

Native: Arabic

Professional Advanced Level: English

Medium Proficiency: Italian