

MASOUD AKHGAR

Data Analyst ~ ML Engineer

2 years part-time developing experience in artificial intelligence

🌐 my website

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📍 Grenoble, France

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SUMMARY

I am Masoud Akhgar, graduated M2-Informatics, Mastered, motivated to constantly develop my skills and grow professionally, searching for **immediate Full-time CDI/CDD**.

- Chess Lover, committed to deadlines, Skating, Humourist, Hard-working, "No pain No gain"

EDUCATION

9/2022
- completed

Master M2 MOSIG Institut polytechnique de Grenoble - Ensimag

among 5th best universities in France

applying novel machine learning models to learn tasks using visual, auditory or textual data, like Self-attention, Transformers, real-time monitoring

9/2018 - 9/2022

Ferdowsi University of Mashhad

Ranked at top third universities in Iran

Teaching programming, program design, downstream tasks, database systems and AI systems, Specialized in one last year. I specialized on AI and did various [projects](#) with: GPU, CUDA, Trees, Java, Web, Cloud, hardware-software design

PUBLICATIONS AND DIPLOMAS

10/2021 -
10 months

M. Akhgar, T. Bahraini, HS. Yazdi, "Robust Histogram of Oriented Gradient" - developer [more information](#)

- Goal is producing robust HOG of image from a noisy one, using mathematical optimization
 - Worked with image processing modules in python
 - Research oriented & signal processing project leading to submit as a paper
- [OpenCV](#) / [optimization](#) / [python](#) / [teamwork](#)

for
two weeks

Microsoft Azure Databricks for Data Engineering

[more information/degree](#)

- Action, lazy and eager evaluations, Wide and Narrow transformations
 - Processing streaming data with Azure Databricks structured streaming
- [Key-Vault](#) / [CI/CD](#) / [Azure](#)

[Databricks](#) / [Sparks](#) /

EXPERIENCE

2/2023 -
for 6 months

Cost Prediction - Data Scientist - [more detail & results](#)

Schneider Electric - Grenoble, France

- estimation of final cost of plastic parts including hidden costs, using just just visible parts features
 - collecting data from all the world, and visualizing using **Tableau** and **Excel**
 - boosting the company to reach out the designing error target
 - great deliver despite of small dataset & imbalance data, using XGBoost, sample weight learning, multi-model and NN, inspired by related paper
- [SQL](#) / [Excel](#) / [python](#) / [Tableau](#) / [NN](#) / [optimization](#)

2/2022 -
for 4 months

Scrappe and Classification Project - Data Analyst - [see code](#)

Ferdowsi university

- Goal is to classify courses on TUM university, Scraping data and Preprocessing From TUM University Website (using bs4) # big data
 - Keyword and Frequent Pattern Extraction using **BERT** pre-trained data model
 - Classification using KNN, MLP and SVM
- [beautiful-soup](#) / [KeyBert](#) / [Excel](#) / [Json](#) / [Py](#)

9/2023 -
for fully focused
one months

Full Azure Tutorial Project - [see code](#)

azure.com

- Goal is getting master of a trending cloud service platform, by a hands-on full tutorial, getting a degree
 - learned how to read and write data in Azure Databricks
 - implement CI/CD with Azure **Devops**, integrate Azure Databricks with other Azure services
 - process streaming data, revolving around platform architecture, security and data protection
- [Databricks](#) / [Devops](#) / [pipeline](#) / [streaming data](#)

1/2022 -
for 3 months

Recommendation System, Off-campus project - Data/NLP Analyst - [more information](#)

nikaro company

- Goal is information **scraping** from website, Classifying All Descriptions in Persian in Different Categories such as Sports or art, using a SQL database & company's website in a startup company
 - Preprocessing like remove stopwords, Using word2vec, Classifying words
 - Visualizing Outcome, Query request responding, decision support system design
 - Worked with the Mizito project management platform scrum based environment
- [bs4](#) / [PostgreSQL](#) / [Django](#) / [clustering](#) / [Py](#) / [Scrum](#)

6/2022 –
for 4 months

Motion Intent Learning about Exoskeleton Robot - AI Researcher - [see papers' list](#)

Robotics Lab.

- Contributing research based to a Wearable Sensing Systems Project For Motion Intent Learning
- Image-based Analysis, signal-driven learning models, RNN, LSTM and BDNN model
- Mastered of AI-based signal driven data modeling in More Than 45 Recent Articles
- weekly novel lower limb related **paper presentation** in a team . signal-driven learning / recurrent networks / teamwork / image-processing / Gate estimation

12/2019 –
more than 1.5 years

Patent: Emg Signal Processor Application - Software Engineer - [more information](#)

Robotics Lab.

- Implement of Real-Time Signal Receiver and Plotter From Wireless And Serial Connection - group of 12 people, containing CI/CD process, Git, documentation, DFD flowcharts, **validation** and **detection testing**
 - build & Design a Software in a Group with high Human Computer Interaction operates with Qt, .ui and C++
 - efficient object oriented & microservices programming having comprehensive tasks
- C++ / Qt / Git / CI/CD / teamwork

REFERENCES

- Slimane Merabti Vice President Industrialization FD IEC - Schneider Electric
Email: slimane.merabti@se.com Please don't hesitate to ask any **proof** of mentioned data, or contact the references.

English - C1, **French** - B2