MASOUD AKHGAR

Data Analyst ~ ML Engineer

🌐 my website ✉ masoudmdar78@gmail.com
📞 +33675565453 ⬡ github.com/masoud-akhgar
📍 Grenoble, France in /in/masoudakhgar-ir

SUMMARY

I am Masoud Akhgar, graduated M2-Informatics, Mastered **Full-time CDI/CDD** ML engineer, motivated to constantly develop my skills and grow professionally.
- Chess Lover, committed to deadlines, Skating, Humourist, Hard-working, "No pain No gain"

SKILLS

Languages:	Python(Django),C/C++,Java,HTML,Js, PHP(Laravel),SQL,PostgreSQL,SQlite
Libraries:	OpenCV,NumPy,Matplotlib,Pandas,Scikit-Learn,bs4,pytorch,tensorflow
Cloud:	Git, Docker, Postman, CI/CD, Spark, GCP
Tools:	Photoshop,Linux,Tableau,Excel,powerpoint

EDUCATION

9/2022 - 9/2023 **Master M2 MOSIG Institut polytechnique de Grenoble - Ensimag** *among 5th best universities in France*
applying novel ML models to learn tasks using visual, auditory or textual data, like Self-attention, Transformers.

9/2018 - 9/2022 **Ferdowsi University of Mashhad** *Ranked at top third universities in Iran*
Teaching programming, software design,networks,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

EXPERIENCE

2/2023 – 9/2023 **Cost Prediction - Data Scientist - more information** *Schneider Electric - Grenoble Hub*
- extimating 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**
- helping the company to reach out the error target
- great achievement despite of small dataset, using XGBoost, sample weight learning, multi-models and NN, inspired by related paper `SQL / Excel / python / Tableau / NN / optimization`

2/2022 – 4/2022 **Bac+4 Project - Data/NLP Analyst - more information** *Ferdowsi university*
- Goal is to classify courses on TUM university, **Scraping** data and Preprocessing From TUM University Website (using bs4)
- Keyword and Frequent Pattern Extraction using **BERT** pre-trained data model
- Classification using KNN, MLP and SVM `beautiful-soup / KeyBert / Excel / Json / Py`

1/2022 – 2/2022 **Off-campus industrial project - Data/NLP Analyst - more information** *nikaro company*
- Goal is information retrieval from platform, Classifying All Class Descriptions in Persian in **Different Categories** such as Sports, using a SQL database
- Scraping data from website, Preprocessing like remove stopwords, Using **word2vec**, Classfiying words
- Visualizing Outcome, query response services `bs4 / PostgreSQL / Django / clustering / Py`

6/2022 – 9/2021 **Motion Intent Learning about Exoskeleton - AI Researcher/Intern - more information** *Robotics Lab.*
- Contributing research-based to a Wearable Sensing Systems Project For Motion Intent Learning
- Image-based Analysis papers, signal-driven learning models, RNN, LSTM and BDNN
- **Mastered** the process of AI-based Improvement in More Than 10 Recent Articles Using Deep Learning .
`signal-driven learning / recurrent networks / teamwork / image-processing`

6/2022 – 9/2021 **API-based Query Management Project - more information** *Ferdowsi university*
- The goal is Query (Sqlite) management by having list of games on dataset.
- It is responding to user through API by Json files, considering user's token
- Using Django as backend + MVP model, and postman, so we dont provide GET/POST requests
`API / Postman / Django-MVP / SQlite / Json`

12/2019 – 1/2021 **Patent: Emg Signal Processor Application - Software Engineer C++ - more information**

PUBLICATIONS AND DIPLOMAS

10/2021 - 7/2022 **M. Akhgar, T. Bahraini, HS. Yazdi, "Robust Histogram of Oriented Gradient"** *more information*
Goal is producing robust HOG of image from a noisy one, using mathematical optimization
`OpenCV / optimization / python / teamwork`

9/2022 - lasts 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 `Databricks / Sparks / Key-Vault / CI/CD`

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** - B1/B2 (able to communicate)