MASOUD AKHGAR

Data Anlyst

2 years experience in AI and 3 years in python

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📍 Grenoble   in /in/masoudakhgar-ir

SUMMARY

I am Masoud Akhgar, graduated M2-Informatics, Mastered, motivated to constantly develop my skills and grow professionally, and passionate to learn more in my field.

Soft Skills: Committed to deadlines, teamwork, adoptable, autonomy, fast-learner

SKILLS

Languages	Python (Django) , C / C++ ,Java,HTML,Js, PHP (Laravel), SQL , PostgreSQL , SQlite
Libraries:	OpenCV , NumPy ,Matplotlib, Pandas ,Scikit-Learn, bs4 ,pytorch, tensorflow
DevOps :	Git Bash , Docker, Postman , CI/CD , Spark, GCP , Scrum Planning, can shift to AWS
Tools:	Linux, Tableau / Power BI

PUBLICATIONS AND DIPLOMAS

6/2019 - 11/2019 **Participation and preparation to ACM Contest** [more information]

`C++  /  DP`

9/2023 **Microsoft Azure Databricks for Data Engineering** [more information]

`Azure  /  Data stream processing  /  Devops  /  Querying-A-Delta-Lake`

8/2021 **Machine Learning for All** [more information]

`python  /  ML`

EXPERIENCE

2/2023 - 8/2023 **Cost Prediction - Data Scientist - Schneider Electric - Grenoble, France** [more detail & results]
- 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**
- great deliver despite of small dataset & imbalance data, inspired by related paper

`SQL  /  Excel  /  python  /  Tableau  /  NN  /  optimization`

2/2022 - 7/2022 **Scrappe and Classification Project - Data Scientist - Ferdowsi university** [see code]
- Goal is to classify courses on TUM university
- Scraping data, 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 - 4/2022 **Recommendation System, Off-campus project - Data/NLP Scientist - nikaro company** [more information]
- Goal is Classifying All Descriptions of courses in Persian in Different Categories using a SQL database
- Preprocessing Using word2vec, **scrapping** from website and query responding and Visualizing Outcome

`bs4  /  PostgreSQL  /  Django  /  clustering  /  Py  /  Scrum`

10/2021 - 8/2022 **M. Akhgar, T. Bahraini, HS. Yazdi, "Robust Histogram of Oriented Gradient" - Python developer - Research Lab.** [more information]
- Goal is producing robust HOG of image from a noisy one, using mathematical optimization
- Worked with image processing modules in python, leading to a submission as a research oriented paper

`OpenCV  /  optimization  /  python  /  teamwork  /  image processing`

1/2021 - 7/2021 **Cloud Computing (course) Project - Ferdowsi university** [see project on my website]
- The goal is Query management, having list of games on dataset, and delivering project on cloud Pipeline
- Using Django + MVP model, through API by Json files

`API  /  Postman  /  Django-MVP  /  SQlite  /  Json  /  Docker  /  CI/CD`

6/2022 - 10/2022 **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
- research about signal-driven learning models, **RNN, LSTM and BDNN** model in recent articles

`time series data  /  recurrent networks  /  teamwork  /  image-processing`

12/2019 – more than a year **Patent: Emg Signal Processor Application - Software Engineer - Robotics Lab.** [more information]

`C++  /  Qt  /  Git  /  CI/CD  /  teamwork`

1/2022 – for 3 months **Parallel Computing - Parallel Programming developer** [more information]

`Nsight  /  OpenMP  /  CUDA  /  C++`

EDUCATION

9/2022 - 2/2024 **Master M2 MOSIG Institut polytechnique de Grenoble - Ensimag** **among 5th best universities in France**

9/2018 - 9/2022 **Bachelor Degree - Ferdowsi University of Mashhad** **Ranked at top third universities in Iran**
I have done various projects with: GPU, CUDA, Trees, Java, Web, Cloud, hardware-software design

REFERENCES

- Slimane Merabti Vice President Industrialization FD IEC - Schneider Electric   **English** - B2, **French** - B2
  Email: slimane.merabti@se.com   Please don't hesitate to ask any **proof** of mentioned data, or contact the references.