



MASOUD AKHGAR

ABOUT

I am Masoud Akhgar, graduated M2-Informatics, looking for **Full-time** jobs, an experienced software engineer and Mastered data scientist, motivated to constantly develop my skills and grow professionally, resourceful, punctual and having sense of humor

CONTACT INFORMATION

City: Grenoble, France

Phone/Whatsapp: +33 675565453

Email: masoudmdar78@gmail.com

Linkedin: Masoud Akhgar

Github: Masoud-Akhgar

Age: 24

personal website: [Link \(on github domain\)](#)

EXPERIENCES

Plastics Part Cost Prediction - Data Scientist

Feb. - Aug. 2023

Schneider Electric - Grenoble Hub

[Click for more information on github](#)

- Final cost estimation of plastic parts including tool cost effect with depreciation, using just visible parts features
- data collecting from all the world, and visualizing using **Tableau** and **Excel**
- Help the company to reach out the **error target**, initialized by previous intern
- Having **lack of data**, using sample weight learning, ensemble models, and Neural Networks, **inspired by related paper**

Data Scientist/NLP - Bac+4 Project

March 2022

on Colab and Github

[Click for more information on github](#)

- Data **Scraping** and Preprocessing From TUM University Website (using bs4)
- Keyword and Frequent Pattern Extraction using **BERT** pre-trained data model
- Classification using KNN, Perceptron, MLP and SVM

Vocabularies Description-Based Clustering (NLP Off-Campus Project)

Jan 2022

nikaro company

[Click for more information](#)

- 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, Classifying words
- Visualizing Outcome, handling **query response services** (SQL/Django)

Researcher Exoskeleton In Motion Intent Learning Project in Lab.

July 2021 – Sep. 2021

Robotics Lab, Under Supervision of Prof. Akbarzadeh

[Click for more information on github](#)

- Contributing research-based to a Wearable Sensing Systems Project For Motion Intent Learning (signal as input)
- 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

Patent: Emg Signal Processor Application

December 2019 – Jan 2021

Robotics Lab, Under Supervision of Prof. Akbarzadeh

[Click for more information on github](#)

- Implemented Real-Time Signal Receiver From Wireless And Serial Connection - group of 12 people, using Git
- Designed a Software in a **Group** with high Human Computer Interaction Using **Qt**, **.ui** and **C++**
- Familiar With Some Signal Filters Used In The Application

EDUCATION

Institut polytechnique de Grenoble - INP

Grenoble, France

Ranked 5th top universities in France

M2-Master of MOSIG Program in Informatics

Sep. 2022 – Sep. 2023

Ferdowsi University of Mashhad

Mashhad, Iran

*Ranked at top **third** universities in Iran*

BSc in Computer Engineering

Sep. 2018 – Sep. 2022

AWARDS AND HONORS

Microsoft Azure Databricks for Data Engineering, Coursera

August 2023

Azure Databricks and the Apache Spark notebook for processing huge files(comprehensive 16-hour course)

See Degree

- Processing files in Azure **notebooks**, advanced DataFrame functions operations to manipulate data
- Action, lazy and eager evaluations, Wide and Narrow transformations, and other optimizations
- securedUse Azure **Key Vault** to store secrets
- Processing **streaming data** with Azure Databricks structured streaming

PUBLICATIONS

M. Akhgar, T. Bahraini, HS. Yazdi, "Robust Histogram of Oriented Gradient" Nov. - July 2021

Computer Vision and Image Understanding

Tunning on a mathematics-driven optimization problem-solving method using OpenCV - Image Processing Modules

PARTICIPATIONS

Participating in ACM Programming Contest

October, 2020

*Focusing on Dynamic Programming Algorithms, learning working with Graphs, statistics algorithms using **C++***

TECHNICAL SKILLS - MENTIONED IN EXPERIENCES ABOVE

Programming Languages: Python, C/C++, Java

Cloud knowledge: Docker, key vault, CI/CD

Developer Tools: VS Code, Git, Colab, QT

Libraries: OpenCV, NumPy, Matplotlib, Pandas, Scikit-Learn, beautiful-soup, Tkinter, pytorch, tensorflow

Web development:PHP, Laravel, Bootstrap, Js, JQuery

General Tools: Proficient in Adobe Photoshop, Linux, Tableau, Excel

LANGUAGES

PERSIAN: Native

ENGLISH: Fluent

French: B1

REFERENCES

- Slimane Merabti Vice President Industrialization FD IEC - Schneider Electric
Email: slimane.merabti@se.com
- Hadi Sadoghi Yazdi Professor, Computer Engineering Department Ferdowsi University of Mashhad, Iran
Email: h-sadoghi@um.ac.ir
- Mostafa Nouri-Baygi Assistant Professor, Computer Engineering Department Ferdowsi University of Mashhad, Iran
Email: nouribaygi@um.ac.ir