
JAMAL EHSANPOUR

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PROFESSIONAL SUMMARY

A highly motivated and passionate person familiar with extracting, cleaning, transforming, and analyzing different datasets. Possesses strong analytical skills, excellent problem-solving abilities, and a deep understanding of database technologies, Machine Learning models, and AWS different services. Experienced working with different real-world datasets, Python libraries, Machine Learning models, and AWS services. 3 AWS certifications until now and there are much more on the way.

SKILLS

- | | |
|---------------------------------------------|--------------------------|
| • Python (Advanced) | • AWS |
| • SQL (Intermediate) | • PySpark |
| • Database Management Systems (DBMS) | • MongoDB |
| • Machine Learning (Intermediate) | • Linux |
| • Git | • QGIS and ArcGIS |

WORK HISTORY

Big Data Engineer (Researcher), 07/2023 – 12/2024

University of Bologna – Bologna, Italy

- Web scraping, Selenium, Requests, ...
- Database creating, excel, text, image, ...
- AWS S3, IAM users, Recognition, Boto3, ...

Data Engineer (Internship), 10/2021 - 03/2022

Gecosistema – Rimini, Italy

- Geospatial python programming
- Python data science and Big data analysis
- Building data pipelines and ETL
- Working with ArcGIS Software
- Flood Hazard Modeling

Academic Service (Part-time Job), 09/2020 - 11/2021

University of Bologna – Bologna, Italy

- Member of Safety group during Covid-19 pandemic

Internship Student, 08/2015 - 09/2015

Esfahan Oil Refining Company – Isfahan, Iran

- Learning principles of refinery
- Familiarity with different sections of refinery

- Attending HSE courses
- Being familiar with teamwork
- Reported back to instructor to receive day-to-day tasks and responsibilities.

EDUCATION

Master of Science: Environmental Engineering, 03/2023

University of Bologna - Bologna, Italy

- **Thesis Statement:** “A High-Resolution Flood Hazard Modeling of the Po River Basin With a Global Hydrological and Resources model (PCR-GLOWBWB 2)
- 103 GPA

Bachelor of Science: Petroleum Engineering, 10/2014

University of Tehran - Tehran, Iran

LANGUAGES

English



Bilingual or Proficient (C2)

Italian



Intermediate (B1)

Persian



Bilingual or Proficient (C2)

German



Beginner (A1)

LICENSES & CERTIFICATIONS

- **AWS Certified Data Engineer – Associate**– AWS Issued March 2025
- **AWS Certified Solutions Architect – Associate**– AWS Issued August 2024
- **AWS Certified Cloud Practitioner** – AWS Issued February 2024
- **Ultimate AWS Certified Solutions Architect Associate SAA-C03** – Udemy Issued May 2023
- **Data Engineer** - DataCamp Issued May 2023
- **Database Design** - DataCamp Issued Apr 2023
- **Introduction to Git** - DataCamp Issued Apr 2023
- **Database Design with SQL** - DataCamp Issued Apr 2023
- **SQL Fundamentals** - DataCamp Issued Mar 2023
- **Data Scientist with Python Course** - DataCamp Issued Feb 2023
- **Data Analyst with Python** - DataCamp Issued Nov 2022
- **Fundamentals of GIS** - Coursera Issued Dec 2020