



# Jamal Ehsanpour

## Cloud & Data Engineer

Cloud and data engineer with 3 AWS certifications and expertise in building scalable data pipelines. Specialized in AWS services (CloudFormation, DMS, Glue, Athena, S3, Lambda, DynamoDB, EC2), Python automation, and geospatial data analysis. Proven ability to optimize data workflows and implement cloud solutions for research and industry applications.

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### Languages

- English**  
Bilingual or Proficient (C2)
- Italian**  
Intermediate (B1)
- Persian**  
Native
- Kurdish**  
Native

### Computer skills

- AWS**
- Python (Advanced)**
- Linux**
- Git**
- SQL**
- Bash**
- MongoDB**
- Pyspark**

### General skills

- Adaptability**
- Time management**
- Team work**
- Problem solving**

### Work experience

- Data Engineer (Researcher)** July 2023 - Dec. 2024  
**University of Bologna, Bologna, Italy**
  - Designed AWS cloud architecture for research data
  - Automated data collection pipelines using Python (Selenium, Requests)
  - Implemented data governance policies for sensitive research datasets
  - AWS S3, IAM users, Rekognition, Boto3, DynamoDB.
- Data Engineer (Internship)** Oct. 2021 - Apr. 2022  
**Gecosistema, Rimini, Italy**
  - Geospatial python programming
  - Building data pipelines and ETL
  - Working with ArcGIS Software
  - Flood Hazard Modeling
- Academic Service (Part-time Job)** Sept. 2020 - Nov. 2021  
**University of Bologna, Bologna, Italy**
  - Member of Safety group during Covid-19 pandemic
- Internship Student** Aug. 2015 - Sept. 2015  
**Esfahan Oil Refining Company, Isfahan, Iran**
  - Learning principles of refinery
  - Being familiar with teamwork

### Education

- Master of Science: Environmental Engineering** Mar. 2023  
**University of Bologna, Bologna, Italy**  
**Thesis:** "High-Resolution Flood Hazard Modeling" using a Global Hydrological and Resources model (PCR-GLOWBWB 2)  
**GPA:** 103/110
- Bachelor of Science: Petroleum Engineering** Oct. 2014  
**University of Tehran, Tehran, Iran**

### Certifications & Courses

- AWS Data Engineer Associate (2025)
- AWS Solutions Architect Associate (2024)
- AWS Cloud Practitioner (2024)
- Data Engineer -DataCamp 2023
- Database Design - DataCamp 2023
- Introduction to Git - DataCamp 2023
- Database Design with SQL - DataCamp 2023