TAYEB EL MEHADJI

Fresh graduate student with a Master's degree in Petroleum Engineering, Production option.

PERSONAL INFORMATION

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More information on :
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Upwork Profile

SKILLS

- Machine Learning
- Python
- ECLIPSE: Black oil
- Microsoft Office
- Data Collection
- Data Analysis
- Qualitative research
- Report production
- Arabic: Native
- English: proficient
- French: proficient

EDUCATION

Graduated Sep/2021 **MASTER'S DEGREE** IN PETROLEUM ENGINEERING | Production engineering option, Faculty of hydrocarbons and chemistry (Ex INH), University of M'HAMED BOUGARA– BOUMERDES

Graduated Jun/2019 **BACHELOR'S DEGREE** IN PETROLEUM ENGINEERING | Production engineering option, Faculty of hydrocarbons and chemistry (Ex INH), University of M'HAMED BOUGARA– BOUMERDES (ALGERIA).

EXPERIENCE & PROJECTS

Mar. 2022 – Present **Freelancer/independent:**

- Reservoir simulation projet (Mar 2023 – present) :
  - ✓ Developing black oil models using Eclipse data file and reporting the results using ResInsight software.
- Data Analyst/Annotator, Enterprise Adobe (Mar 01, 2022-Oct 31, 2022):
  - ✓ Pre-processing and annotation multiple English transcripts in order to make them usable for training a machine learning model (NLP).
- Data Analyst/Annotator, Enterprise Adobe (Mar 01, 2022-Oct 31, 2022):
  - ✓ Supervise three people to annotate the data and come up with a high quality to train the machine learning model.
- Petroleum Engineering/Machine Learning Project (Mar 2022-April 2022):
  - ✓ Pre-processing and visualization the data using python.
  - ✓ Created a python tool to calculate a parameter (MMP) in the Enhanced Oil Recovery (EOR) method using correlations.
  - ✓ Created a Machine Learning model (using Keras) to predict a key parameter (MMP) in the Enhanced Oil Recovery (EOR) method.

Mar. 2021 - Oct. 2021 **Master's graduation project**

- The project was focused on "Prediction of key parameters in miscible CO2 injection design by applying machine learning algorithms". This involved implementing/evaluating four robust ML models to effectively predict key CO2-EOR parameters and the results were very satisfactory and accurate.

Dec. 2020 – Jan 2020 **Trainee: Sonatrach-Ourhoud, Hassi Masoud, Algeria**

- Training on well test operations.

April 2019 **Intern: Sonatrach, Ain Amenas, Algeria**

- Internship report on well intervention operations