Mohammad Hossein Dehghan

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Education

Bachelor of Petroleum Engineering, Tehran University, Tehran, Iran – February 2022. GPA: 15.05/20
Selected courses – General Geology, Structural Geology, Drilling Engineering, Production Engineering, Heat Transfer Laboratory, Mass Transfer, Reservoirs simulation

Certificates

Python, Computer Programing Language Course, Maktabkhooneh website, Sep 2020
- Python programming for data analysis
- Machine learning for predictive modeling
- retrieving information by web scraping and working with big data

Standard-based Health, Safety and General Environment Training Course (OSHA), Tehran Oil Refinery, Tehran, Iran- July 2019
- Training to work with flammable materials
- Learning to assess the level of risk in the industrial environment

Olga Training Course, institute of petroleum engineering, University of Tehran, Iran- June 2018
- Modelling transportation of oil, natural gas and water in the same pipeline, so-called multiphase transportation

Technical Petroleum Course, Petroleum engineering department, Ahwaz, Iran- Sep 2017
- Training some important subject in drilling engineering, drilling operation and well completion

Health, Safety and Environment (HSE), NIDC Institute of technology, Ahwaz, Iran- Oct 2017
- regulation and enforcement of workplace health, safety, and welfare
- fire-fighting training

Professional Experience

Safety Engineer Intern, Tehran oil refinery, Tehran, Iran-2019 – 3 months
- Regular analysis and maintenance of field assets
- Sampling and test refinery gas flare quality

Research Experience

- Production optimization in oil Industry to reduce environment pollution by enhancing wellhead assets and/or adding organic additives to drilling muds.
- Increasing the efficiency of drilling mud and replacing bacterial and organic additives to prevent environmental pollution.
- Investigating the impact of integrated management on financial turnover of oil industries
- Developing predictive model to estimate impact of different refinery heater fuels on environmental damage using Markov chain model in Python.
- Developing predictive model to Simulate the activity of stars using Python language libraries and Markov chain model.
- Image classification using Generative Adversarial Networks (GANs) to Cancer diagnose cancer from radiology photos and CT scan.

Skills

Driller office	Python	Django	Git/Github
Olga	Javascript	numpy	Data mining
React	Mysql/Posgresql	pandas	Machine learning
Eclips	Wordpress	pytorch	

References

- Dr. Seyed Morteza Mirabbasi, lecturer professor in Amirkabir University of Technology, Tehran, Iran. Email: sm.mirabbasi@aut.ac.ir
- Dr. Negin Rahmati, reservoir engineer and former lecturer professor in University of Tehran, Tehran, Iran. Email: Rahmati.ne@ppars.com