Korosh Agha Mohammad Ghasemi | Curriculum Vitae

University of Shiraz–Chemical Engineering

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RESEARCH INTERESTS

- AI programming
- Machine Learning
- Process Control

EDUCATION

o **Bachelor of Science**   [2019 − Present]
  ✿ *Shiraz University*   *Shiraz-Iran*
  - Chemical Engineering
    · **GPA: 3.9/4 (Present)**

o **High School**   [2016 − 2019]
  ✿ *Shahid Motahari High School*   *Bushehr-Iran*
    · **GPA: 4/4**

HONORS

o Rank **10 Percent First** Chemical Engineering, Shiraz University, Shiraz, Iran.
o Ranked **1000st** in university entrance exam, among more than 200,000 participant [Summer 2019].
o Granted admission from Talented Student Office of Shiraz University for graduate study.
o Top participant in the **Rahneshan** match of the Iran's National Elites Foundation [2021]
o Member of the Scientific Association of **Energy and Environment** of Shiraz University[2021]

WORK EXPERIENCES

o Foumanchimie Company
  - **Data Analyst**
    · Machine Learning Frameworks: SciPy, scikit-learn, pandas, NumPy, Matplotlib, TensorFlow, Keras, Kafka, Spark, PySpark, Kubeflow, TFX, ...
o Kheilisabz Company
  - **Book Editor**
    · Chemistry Test Book

o Ghalamchi Company
  - Teaching Assistant
  - Provide of educational and emotional support for High school Students

LANGUAGE SKILLS

o Persian   Native
o English   Fluent
  - **IELTS will be taken in near future.**

COURSES

- 🎓 MATLAB Programming   [Feb 2020]
  - Instructor: Dr. Fatemeh Hejazi
    - Grade:A $^{++}$
- 🎓 Fluid Mechanics 1   [Feb 2021]
  - Instructor: Dr. Shadi Hassanajili
    - Grade:A
- 🎓 Engineering Mathematics   [Feb 2021]
  - Instructor: Dr. Mohammad Khorram
    - Grade:A $^{++}$
- 🎓 Thermodynamics 1&2   [Feb 2021]
  - Instructor: Dr.Alireza Shariati
    - Grade:A $^{+}$

💻 Online Courses

- 🐍 Basic Python Programming
- 🐍 Python 3.6 for Total Beginners
- 🐍 Learn Python,Basic to Advance
- 🐍 Python 3 Master Course for 2021
- 📊 Einstieg in Excel-Dashboards
- 🅾 Microsoft Office 2019

- 🔺 MATLAB Basics
- 🔺 MATLAB/SIMULINK Basics
- 🔺 Complete MATLAB Programming
- 🔶 CSS3 Fundamental
- 🐙 Git and GitHub
- ❎ Visual Studio Code

COMPUTER SKILLS

- Python
  - Tensorflow
  - PyTorch
  - Sklearn
  - Gensim
  - Matplotlib
  - Pandas
  - NumPy
- MATLAB
  - Optimization Techniques
  - Machine Learning
  - Deep Learning
- Visual Studio Code
- PyCharm
- C/C++

- Microsoft Office
  - Word
  - Excel
  - PowerPoint
  - Project
  - Visio
  - Access
- CSS
- HTML
- JavaScript
- LaTeX
- Java
- Adobe InCopy
- Adobe Premiere Pro
- SOLIDWORKS

PROJECTS

- Polymer Flooding   (Group project) [Feb 2021]
  - Enhanced oil recovery (EOR)
    - Data analysis with Python and MATLAB
    - Simulations of Enhanced Oil Recovery Processes
    - Review the method and the negative and positive points
    - Instructor: Dr. Shadi Hassanajili

TEACHING EXPERIENCES

- Teaching Assistant   [Aug 2021]
  - 🎓 Advanced Programming
    - Leading and supervising students in course material,Exams (MATLAB)
    - Instructor: Dr. Keyvani(Shiraz University)
- Teaching Assistant   [Sep 2021]
  - ⚙ Programming
    - In recognition of your attending in the oil & Gas & petrochemical industries course in the Summer school of Amirkabir University of Technology.
    - Instructor:Dr.Amir Golroo(Amirkabir University of Technology)

❶ References, Further information, and Proofs are available upon Request