

Ali Salehi

ML Engineer

Email: salehiali.data@gmail.com

Linkedin: <https://www.linkedin.com/in/ali-salehi-076a76102/>

Github: <https://github.com/salehiali1374>

I am a dedicated Machine Learning Engineer passionate about cutting-edge artificial intelligence and data science. With four years of hands-on experience in applying advanced machine learning and data mining techniques, I am well-prepared to contribute to your esteemed university's Ph.D. program. My expertise encompasses Natural Language Processing (NLP), Deep Reinforcement Learning (DRL), and machine learning research. Additionally, my background as a BI team leader has honed my leadership and analytical skills, making me an ideal candidate for your doctoral program.

Skills

- Python
- Tensorflow
- Keras
- Pytorch
- Transformers
- PFRL
- Deep Reinforcement Learning
- NLP (Natural Language Processing)
- Text Processing
- Sentiment Analysis
- Soft Computing
- Linux
- Git
- Microsoft Power BI

Education

FEB 2022

M.S. in Artificial Intelligence and Robotics / Ferdowsi University of Mashhad

- Coursework included pattern recognition, artificial neural networks, reinforcement learning, and soft computing.
- Ranked second in class by grade point average (18.58/20).
- Thesis: Improving over estimation of off-policy deep reinforcement learning in GRNs

SEP 2018

B.S. in Software engineering/ Shahid Chamran University of Ahwaz

- Ranked second in class by grade point average.
- GPA: 15.84/20
- Project: IOT with KAA platform based on cellular network.

Publications

- "Control of P53 Gene Regulatory Network Based on Deep Reinforcement Learning and Its Application in Cancer" (written in Persian) presented at the 9th Iranian Joint Congress on Fuzzy and Intelligent Systems (CFIS2022), which received the Best Paper "AI for Good" Award Certificate.

- "Improving the Overestimation in Off-Policy Deep Reinforcement Learning Using Deep Selective Update Network (DSUN)" (written in Persian) presented at the 27th International Computer Conference Computer, the Society of Iran 2022.
- "Interval Type-2 Fuzzy Control and Stochastic Modeling of COVID-19 Spread Based on Vaccination and Social Distancing Rates" published in Computer Methods and Programs in Biomedicine (2023).

Teaching Experience

Teaching Workshops/ 14th International Conference of Iranian Operations Research Society, Sadjad University.

- Introducing artificial neural networks and its application, October 2021.
- Introducing knowledge graphs and their application, October 2021.

Teaching Assistant/ Ferdowsi University of Mashhad.

- Computational Intelligence, Fall 2020.

Teaching Assistant/ Shahid Shamran University of Ahwaz.

- Artificial Intelligence, Fall 2016 and Spring 2017.
- Computational Intelligence, Spring 2017.
- Computer Basics and Programming, Fall 2015.

Work Experience

NOV, 2020 – PRESENT

Machine Learning Engineer / Ahd Soft, Mashhad.

- Develop and implement machine learning algorithms for AI projects, such as ASR, OCR, Sentiment Analysis, and Multi-lingual library classification.
- Conduct data analysis, feature engineering, and model training and evaluation.
- Continuously improve the performance of machine learning models.

NOV, 2020 – PRESENT

Business Intelligence Tech Lead / Ahd Soft, Mashhad.

- Lead and plan the Business Intelligence (BI) team.
- Conduct data analysis to support decision-making processes.
- Collaborate with cross-functional teams to design, develop, and implement BI solutions.
- Successfully analyzed and developed more than 50 dashboards.

2021 – PRESENT

Freelance Machine Learning Engineer

- Brain Tumor Classification
 - Developed a model for MRI brain tumor classification.
 - Achieved 97% accuracy on test data.
- Drug Interventions Classification
 - Developed a model for classifying drug interventions.

- Returned accurate drug intervention results for various drug combinations.

FEB, 2020 – NOV, 2020

Machine Learning Engineer/ SCIIP, Mashhad.

- Developed a household gas consumption forecasting program.
- Conducted data preprocessing and feature engineering to optimize model performance.
- Deployed the model in a desktop application to provide forecasting results.

Additional Information

- Languages:
 - Persian (Mother Tongue).
 - English
- Vice president of Central Computer Engineering Students' Council at Shahid Chamran University of Ahwaz, 2014-2015.
- Executive Secretary and member of Central Council of GNU/Linux and open-source software conference at Shahid Chamran University of Ahwaz, Fall 2014.
- Member of Ahwaz LUG (Linux Users Group), 2016-present.