

Hey, I'm Ali Behdarnejad

AN AI ENGINEER SCIENTIST

I have a lot of interest but any of them are not like CS and AI. I'm so passionate about AI, with at least one academic experience in majority of its areas at a top university and I am very up-to-date with the latest academic and industrial technologies.

WORK EXPERIENCE

AI AND ROBOTIC RESEARCH ENGINEER

Robotic lab at SBU 2024,1 year

as a robotic researcher I got started with DRL and I had to have a overview of the field, I find the best opportunity is from generalist robots which are using LLMs, VLMs, and VLAs so we design a brand new algorithm to address weakness of existing algorithms

SOFTWARE DEVELOPER 2023,3 month

Sahand advance technologies

I worked in the company as software developer to write java programs on android OS for POS devises and repairing customer POS with software problems

CLOUD ADMIN AND DEVELOPER

Iranan data suport 2023, 6 month

As internship, my responsibility in the company was running OpenStack on the server and create VM for the customer

EDUCATION

Master of AI engineering and robotic
Shahid Beheshti University (SBU)

I have been learning a lot about AI At the University. I have more then 20 project implementation and 7 Article iimplementation from different topic of AI such as Deep Learning, Deep RL, NLP, LLMs, VLMs, CV and Image processing which some of them are available at my [GitHub](#) like [Agentic-RAG-with-Elasticsearch](#) or [Mavc2-Object-detection](#)

Bachelor of computer science
QOM University

in this university I learned a lot about fundamental of CS like algorithms, compiler, Linux Kernel, network and software engineering

SKILLS

Programing Language: advanced python programming and familiar with C, C++, Java and GO.

AI algorithms and concept form NLP, ML, Deep-Learning, DeepRL, Computer Vision, Big Data.

AI library's like pytorch, numpy, pandas, sklearn, tensorflow, hugging face and Spark.

Applications: OpenStack, Ducker, git, gitlab, elasticSearch.

website: Django.

- **Soft Skills** :Excellent organizational and communication skills. A high level of integrity, self-motivation, and a collaborative mindset

SOME PROJECTS

Agentic-RAG-Elasticsearch was a project which I learned a lot from I realize the most important part of a good RAG system is retrieval and Elastic was the best open source to use for multiple reasons after this accuracy of the model has improved by 145 percent which is also improvable

Mavc2-Object-detection in this project I used classic computer vision and CNNs to identify, denoise and detect some objects in a robotic simulator called webots. and some other projects for 3 months with a team.

Master project, in this project I'm working on state of the art technology of our field like VLAs, VLMs to create generalist robots which can like human learn and improve themselves. in this project I'm using Gitlab ,Docker, Genesis, torch, transformer and TRL

LSTM-PPO was an amazing and new paper about using DRL in stoke market there was no implementation of the by the time and it was to changing to implement and combine LSTM to PPO while creating an environment for stoke trading so I leaned a lot from this project.

Language

Advanced English Level, especially speaking with experience in Sahand company
Familiar Arabic and French

interests

swimming, gaming, traveling, talking with people, learning new things

CONTACT ME AT

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