

# Salar Mokhtari Laleh



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Github : [Link](#)  
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To secure a position in a leading graduate program in artificial intelligence, where I can contribute my skills and knowledge to research, and learn from the top minds in the field. With a strong foundation in computer engineering and experience in programming and data analysis, I am eager to explore the cutting-edge concepts and techniques in machine learning, natural language processing, and computer vision. My goal is to become a leading expert in artificial intelligence, contributing to the advancement of the field and developing innovative solutions to real-world problems. I am committed to making a meaningful impact in the industry and improving the quality of life through technology.

## Education

2018 - Present      **B.Sc., Computer Engineering**  
University of Tabriz      GPA: 3.20/4

## Research Interests

- Artificial Intelligence
- Machine Learning
- Data Mining
- Deep Learning
- Optimization
- Software Engineering
- Artificial Neural Network
- IoT

## Academic Experiences

Feb 2023 - Present University of Tabriz  faculty of electrical and computer engineering	<b>Teaching Assistant of Algorithm Design</b> Lec : Dr.Pedram Salehpour
Apr 2021 - Sep 2022 University of Tabriz  faculty of electrical and computer engineering	<b>Teaching Assistant of Linear Algebra and its applications</b> Lec : Dr.Seyed Amir Mortazavi Class github : <a href="#">Link</a>
Jan 2021 - May 2022 University of Tabriz  faculty of electrical and computer engineering	<b>Teaching Assistant of Discrete Mathematics</b> Lec : Dr.Seyed Amir Mortazavi Class github : <a href="#">Link</a>

## Work Experiences

Feb 2023- Present      **Artificial Intelligence Researcher**  
Tabriz, East Azerbaijan, Iran      Electrical and computer laboratory. · Part-time

As an AI researcher at an electronic and computer lab, I conducted research on various AI techniques, including machine learning, natural language processing, and computer vision. I implemented cutting-edge AI models, designed and executed experiments, and analyzed results to gain insights and improve performance. My work led to several publications in top-tier conferences and journals, contributing to the advancement of the field

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Feb 2023 - Present  
Tabriz, East Azerbaijan,  
Iran

## System Analyst

IoT Lab · Part-time

As a system analyst and backend developer for a recycling application, I was responsible for conducting a thorough analysis of the current recycling practices and identifying areas for improvement. This involved studying waste management patterns, analyzing data, and determining the feasibility of the application.

I also played a key role in the backend development of the application, designing and implementing the database schema, developing the application's logic and algorithms, and integrating the frontend with the backend. Through my work, I contributed to the successful launch of a sustainable recycling application, helping to promote environmentally friendly practices and reduce waste in the community.

Aug 2022 - Oct 2022  
Tabriz, East Azerbaijan,  
Iran

## Artificial Intelligence Researcher

Sobh Parlar Asia Industrial co. · Part-time

Working on **AOI** In the field of artificial intelligence Automated optical inspection is an automated visual inspection of printed circuit board manufacture where a camera autonomously scans the device under test for both catastrophic failure and quality defects. Working in AI Automated optical inspection project, which is done using NLP and deep learning, and computer vision in two parts of the front of the board to inspect the electronic components and behind the circuit solder inspection.

## Volunteer work & Affiliations

Jan 2021 - Jan 2023  
Computer Engineering  
Association of Tabriz

### Member of the competition and publication department

Responsible for proposing and arranging scientific and recreational events for students of Electrical and Computer Engineering faculty at the University of Tabriz

Apr 2020 - Mar 2021  
Logisia Magazine

### Writer

Author and translator on the topics of Artificial Intelligence and Software engineering in Logisia magazine in the university of Tabriz Electrical and Computer Engineering Faculty.

## Webinars & Seminars

Sat Jul 2nd, 2022.  
at 8:00 pm  
University of Tabriz

### Programming webinar & Python programming language [Link](#)

## Skill

Technical skills

### Programming Languages

- Python
- R
- C & C++
- Java

### Programming Frameworks

- Django
- FastAPI
- React JS
- jQuery
- Bootstrap

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## Skill

### Technical skills

#### Library Software / Artificial intelligence

- TensorFlow
- PyTorch
- Scikit-learn
- OpenCV
- Apache Spark
- Mlpack

#### Machine Learning & Deep Learning

- Clustering
- Regression
- Artificial neural networks
- Convolutional Neural Networks
- Generative Adversarial Networks
- Radial Basis Function Networks
- Multilayer Perceptrons
- ETC

#### Databases

- MySQL
- Microsoft SQL Server
- Oracle Database
- MongoDB
- PostgreSQL

#### Network

- cisco packet tracer

#### Statistical & Data mining techniques

- GLM
- Random Forest
- Trees
- Boosting
- Text mining
- ETC

#### Operating System

- Microsoft Windows
- Linux
  - ubuntu
  - Kali Linux
- Android

#### Mathematics

- Linear algebra
- Discrete Mathematics
- Statistics

#### Frontend

- Html
- Css
- Js

General Skills    Communication Skills, Leadership Skills, People Skills, Class management, Problem-Solving Skills, Teaching, Research

## Licenses & Certifications

University of Michigan

### Programming for Everybody (Getting Started with Python)

University of Michigan | Coursera  
Issued Aug 2022 · No Expiration Date  
Credential ID TF288AN8XW7J

University of Michigan

### Python Data Structures

University of Michigan | Coursera  
Issued Feb 2023 · No Expiration Date  
Credential ID J9XKY7RAX8WD

IBM

### Machine Learning with Python

IBM  
Issued Feb 2023 · No Expiration Date

University of California, Santa Cruz

### C for Everyone: Programming Fundamentals

University of California, Santa Cruz  
Issued Feb 2023 · No Expiration Date  
Credential ID QAWML3H6CKBG

## Honors & Awards

Dec 2022

Member of Iran's National Elites Foundation

# Salar Mokhtari Laleh

## Language

English: Fluent

Persian: Native

Turkish: Native

## Projects

### Brain Tumor Detection

Use MRI image and 95% accuracy

### Breast Cancer Detection

RSNA Screening Mammography Breast Cancer Detection, I train model with screening mammograms obtained from regular screening.

### ANNs text classification

Supervised learning with Tensorflow to create a ANNs (Neural Network) for text classification.

### Self-driving car

Self Driving Car in JS, without any library

Supervisor:

Prof. Hadi S. Aghdasi

### Cisco Packet Tracer

COMPUTER NETWORKS LAB

Designing and simulating different kind of networks and programming Routing algorithms

Supervisor:

Prof. Seyed Amir  
Mortazavi

### Cryptography

INFORMATION SECURITY COURSE

Implementing different algorithms of Encryption

Supervisor:

Prof. Jafar Tanha

### Data Structures & Algorithms

DATA STRUCTURES AND ALGORITHMS

- Creating connect 4 in Java programming language using data structure and algorithm design
- The design of the university website using the existing data structure and Spring Boot framework speed up the website using the optimization algorithm

Supervisor:

Prof. Moallemi Khiavi

### Programming ALU

COMPUTER ARCHITECTURE COURSE

Programming a complete ALU include logic unit, arithmetic unit, full adders, multiplexers etc.

Supervisor:

Mis. Zahara Egbalie

### Linux

OPERATION SYSTEM LAB

Programming a command line application

Supervisor:

Prof. Behrooz  
Koohestani

### Pattern Recognition

COMPUTATIONAL INTELLIGENCE COURSE

Pattern recognition using neural networks

Supervisor:

Prof. Lily Farzin Vash

### E-commerce

SOFTWARE ENGINEERING 1 & 2

As a part of my software engineering courses, I had the opportunity to work on a project related to e-commerce with a recommendations system. In this project, I was responsible for designing and developing the backend of the system, including the database schema and RESTful API endpoints. I also worked on integrating various machine learning algorithms to generate personalized recommendations for each user based on their browsing and purchase history. Through this project, I gained valuable experience in software development, data modeling, and machine learning techniques applied in a real-world application.

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## References



### Dr. Seyed Amir Mortazavi

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