Salar Mokhtari Laleh

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LinkedIn GitHub

Education

B.Sc. Computer Engineering, University of Tabriz — 2018 - *present*

GPA: 15 (out of 20)

Research Interests

- Deep Learning
- Quantum information theory
- NLP
- Optimization
- IOT
- Software Engineering

Academic Experience

Teaching Assistant of **Engineering Probability and Statistics** — Sep 2023 - *present*

Faculty of electrical and computer engineering, University of Tabriz, Iran.

- Lecturer: **Dr.Seyed Amir Mortazavi**
- Class GitHub: Link

Teaching Assistant of **Software Engineer 1** — Sep 2023 - present

Faculty of electrical and computer engineering, University of Tabriz, Iran.

- Lecturer: **Dr. Leili Farzinvash**
- Class GitHub: Link

Teaching Assistant of **Algorithm Design** — Feb 2023 – Jun 2023

Faculty of electrical and computer engineering, University of Tabriz, Iran.

- Lecturer: Lec: Dr.Pedram Salehpour

Teaching Assistant of **Linear Algebra and its applications** — Apr 2021 – Sep 2022

Faculty of electrical and computer engineering, University of Tabriz, Iran.

- Lecturer: **Dr. Dr.Seyed Amir Mortazavi**
- Class GitHub: Link

Teaching Assistant of **Discrete Mathematics** — Jan 2021 – May 2022

Faculty of electrical and computer engineering, University of Tabriz, Iran.

- Lecturer: **Dr. Dr.Seyed Amir Mortazavi**
- Class GitHub: Link

Volunteer work & Affiliations

Member of the Computer Engineering Association of Tabriz University Jan 2021 – Jan 2023

Computer Engineering Association of Tabriz university.

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

Writer Apr 2020 – Mar 2021

Logisia Magazine.

- 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.

Technical & Research Experience

Fake News Detection using DistilBERT Pretrained Model &Transfer Learning

Data Minig course.

- This project involves building a machine learning model using Python, PyTorch, and NLP techniques to detect whether a given news article is fake or real based on its textual content. The dataset used for this project is sourced from GitHub and contains various news articles labeled as either fake or real.

Predicting Diabetes using a ANNs Model Trained on Clinical Data

Data Minig course.

- This project aims to predict diabetes in individuals using a neural network model. The dataset used for training and testing the model is publicly available and contains information about eight medical predictors (e.g., glucose level, age, and blood pressure) and one target variable indicating whether or not the individual has diabetes.

House Price Prediction through Effective Data Preprocessing & Linear Regression Modeling

Data Minig course.

- This project aims to predict the sale prices of houses based on various features such as the size of the house, the number of rooms, the location, and so on. The approach used is linear regression, which is a commonly used method for predicting continuous values.

Cisco Packet Tracer

Computer Network Lab.

- Designing and simulating different kind of networks and programming Routing algorithms.

Cryptography

Information Security course.

- Designing and simulating different kind of networks and programming Routing algorithms.

Data Structures & Algorithms

Data Structures and Algorithms course.

- 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

Programming ALU

Computer Architecture course.

- Designing and simulating different kind of networks and programming Routing algorithms.

Linux

OS Lab.

- Programming a command line application

Pattern Recognition

Computational Intelligence course.

- Pattern recognition using neural networks.

E-commerce

software engineering 1 & 2 course.

- 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.

Webinars & Seminars

Programming webinar & Python programming language:

- Sat Jul 2nd,2022.
- University of Tabriz

English & GRE Tests

IELTS (Academic)
Test date: TBD

GRE General Test:
Q: 168; V: 162; AW: 4.0
Test date: August 30, 2023

Technical skills

- Programming Languages: Python, C & C++, R, Java.
- Programming Frameworks: Django, FastAPI, React JS, JQuery, Bootstrap.

- Library Software / Artificial intelligence: TensorFlow, PyTorch, Scikit-learn, OpenCV, Apache Spark, Mlpack.
- OS: Linux, Microsoft Windows.

Licenses & Certifications

- Linear Algebra for Machine Learning and Data Science.
  - DeepLearning.AI
  - Issued Sep 2023
  - Credential ID G6YGAZJNJP7X
- Supervised Machine Learning: Regression and Classification
  - DeepLearning.AI
  - Issued Sep 2023
  - Credential ID EKLUV6CQHFDL
- AI For Everyone
  - DeepLearning.AI
  - Issued Mar 2023
  - Credential ID JLCFGQVXTRMA
- C for Everyone: Programming Fundamentals
  - University of California, Santa Cruz
  - Issued Feb 2023
  - Credential ID QAWML3H6CKBG
- Python Data Structures
  - University of Michigan | Coursera
  - Issued Feb 2023
  - Credential ID J9XKY7RAX8WD
- Programming for Everybody (Getting Started with Python)
  - University of Michigan | Coursera
  - Issued Aug 2022
  - Credential ID TF288AN8XW7J

Hobbies

Sports: Tennis & Volleyball

References

Dr. Seyed Amir Mortazavi
Director of the Department of Information and Technology, Faculty of Electrical & Computer Engineering, University of Tabriz, Tabriz, Iran
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Dr. Pedram Salehpour
Professor, Faculty of Electrical and Computer Engineering, University of Tabriz, Tabriz, Iran
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Dr. Leili Farzinvash
Professor, Faculty of Electrical and Computer Engineering, University of Tabriz, Tabriz, Iran
Email: l.farzinvash@tabrizu.ac.ir

Dr. Abdulhamid Moalemi Khayavi
Professor, Faculty of Electrical and Computer Engineering, University of Tabriz, Tabriz, Iran
Email: moallemi@tabrizu.ac.ir