

Kiyan Rezaee

EDUCATION

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BSc, Computer Science, GPA:3.8/4 (Ranked 1st)
University of Guilan

Sep 2019 – Aug 2023

HONORS & AWARDS

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| Ranked First in Entrance Students (Certificate in Persian) | 2023 |
| Tuition Waiver (Scientific privileged award for 6 semester) | 2020-2023 |
| Ranked First in University of Guilan Programming Contest (Certificate in Persian) | 2023 |
| Member of the Teaching Assistants Association | 2022 |

RESEARCH INTERESTS

Information Retrieval, User Intent modeling, Knowledge graph, Statistical Learning, Continual Learning

RESEARCH PAPERS

- Siamak Farshidi, **Kiyan Rezaee**, Sara Mazaheri, Amir Hossein Rahimi, Ali Dadashzadeh, Morteza Ziabakhsh, Sadegh Eskandari and Slinger Jansen. **Understanding User Intent Modeling for Conversational Recommender Systems: A Systematic Literature Review**. ([Preprint version](#))
- Fatemeh Rangraz, Ehsan Nabovati, Ali Jamalian, **Kiyan Rezaee**, Hossien Akbari, Parissa Bagheri Toolaround. **Evaluation of potential drug-drug interactions among patients with psychiatric disorders in a teaching hospital in Iran** (under review)
- SeyedAmirHossein Tabatabai, **Kiyan Rezaee**, Mohammad Kazemi. **Comparative study on COVID-19 deaths rate** (in prep)

TEACHING ASSISTANT EXPERIENCES

- Fundamentals of Computer Science and Programming** - Winter 2023, Fall 2022, Winter 2022, Fall 2021
- Advanced Programming - (Head TA)** Winter 2022 ([Website](#)), Fall 2021. **(TA)** Winter 2021, Fall 2020.
- Data Structures and Algorithms** - Fall 2022
- Principles of Database Design** - Fall 2022
- Fundamentals of Combinatorics** - Fall 2022
- Compiler** - Winter 2023
- Logical Circuits** - Winter 2023, Winter 2022
- Principles of Computer Systems** - Winter 2023

SELECTED ACCOMPLISHED PROJECTS

- Persian News Classification** - [Github repository](#)
 - I used the Python programming language to implement the project that sorts Persian news articles into 11 different categories. To do this, I used Python libraries like **Pandas**, **hazm**, **TfidfVectorizer**, **LabelEncoder**, **train_test_split**, and **sklearn (SVM)**.
- Cryptocurrency forecasting** - [Github repository](#)
 - I employed natural language processing algorithms such as **LSTM** and **GRU** for cryptocurrency data forecasting, utilizing Python libraries like **Pandas**, **Numpy**, **Matplotlib**, **Collections (deque)**, and **sklearn** for preprocessing data, and implemented the models using **TensorFlow** and **Keras**.

- **studier-app** - [Github repository](#)

– This web application facilitates study scheduling. Our inspiration comes from the [Pomofocus: Pomodoro Timer Online](#) app. We employ **HTML, CSS, JavaScript, and SCSS** to create the application's pages, while we utilize **Django**, a Python-based, free and open-source web framework, for the back-end development aspect.

NOTABLE COURSES

- **Computer Networks** - 20 out of 20
- **Combinatorics and Applications** - 20 out of 20
- **Artificial Intelligence** - 20 out of 20
- **Computer Simulation** - 20 out of 20
- **Computer Graphics** - 20 out of 20
- **Linear Optimization** - 20 out of 20
- **Principles of Computer Systems** - 20 out of 20
- **Compiler** - 20 out of 20
- **Principles of Operating Systems** - 20 out of 20
- **Principles of Database Design** - 20 out of 20
- **Fundamentals of Algebra** - 20 out of 20
- **Fundamentals of Logic and Set Theory** - 20 out of 20
- **Probability I** - 20 out of 20

SKILLS

- **Programming Language** : Python, Matlab, C++, JavaScript, Assembly, Flex
- **Data Visualization** : Matplotlib, Numpy, Pandas, Seaborn, Ggplot, Bokeh
- **Web development** : HTML, CSS, Bootstrap, jQuery, React, PHP, Django, Flask, MongoDB, MySQL, Node.js
- **Machine Learning & Deep Learning** : Scikit-learn, OpenCV, Keras, Tensorflow, Pytorch
- **Natural language processing** : NLTK, spaCy, Word2Vec, hazm, Stemmer, Lemmatizer, GRU, LSTM
- **Teaching** : Fundamentals of Computer Science and Programming(C++ and Python) [[Course Material](#)], Introduction to Machine Learning [[Course Material](#)], Design and Analysis of Algorithms, Principles of Database Design
- **Collaboration and Communication Tools** : Slack, GitHub, JIRA, Skype

REFERENCES

Dr. Sadegh Eskandari

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Assistant Professor at Department of Computer Science, University of Guilan, Rasht, Iran

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