



## Hesam Korki

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Date of Birth: 1996/05/14

 github

 linkedin

## SUMMARY

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First thing to know about me is that the word *impossible* does not fit in my vocabulary. Challenge is what drives me, and I tend to adapt to the domain swiftly. I start my day in light of the fact that I am going to learn something new today. I like the development of a digital product, however, my main interest lays in the data science and machine learning applications to automate processes and improve the product's performance. I learn fast and take responsibility of my actions. The environment in which I'm working is very important to me.

## EDUCATION

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### UNIVERSITY OF TEHRAN

2020-Present

M.SC IN ARTIFICIAL INTELLIGENCE

- Specializing in data mining and ML
- **Thesis:** Transformer based NLP solutions for social media

### K. N. TOOSI UNIVERSITY OF TECHNOLOGY

2015-2019

B.SC IN ELECTRICAL ENGINEERING

- Specializing in Communication systems and signal processing
- **Thesis:** A searching system for books based on the cover image

## EXPERIENCE

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### BALE MESSENGER

2021 (Winter) - Present

MACHINE LEARNING ENGINEER

- Designed and developed a text classification based chat bot to automatically recognize the intention of the user and find the best answer to the question based on the available data
- Used Transformers (especially BERT) for training domain specific embedding and created a gRPC service to get inference from the model and pass the response to the desired services
- Worked with data streams and visualization tools to create valuable reports and evaluations of the processes in dashboards
- Developed automatic pipelines for training, testing, and deploying deep learning models
- Created data pre-processing modules like tokenizer, normalizer, and NER using numpy, pandas, SpaCy, and gensim
- Established a dataset for evaluating text similarity comparing to standard benchmarks such as SentEval
- Helped making the recommendation system a micro service to be used by other services

## ERFAN SALAMAT HEALTH SERVICE

2020 (Summer) - 2021 (Winter)

DATA SCIENTIST / SCRUM MASTER

- Designed and developed an online learning model as a recommender system for human resource allocation using cosine similarity
- Creating a RESTful web service to get predictions from the model and sending the response to the API gateway using Flask
- Coordinating daily meetings, administrating Jira, and backlog co-management with PO

## ROOBITECH COMPANY

2020 (Winter) - 2020 (Summer)

SOFTWARE DEVELOPER

- Designed and developed an MVC (MVT) architecture using Django and DjangoRestFramework
- Dockerizing the project for easy deployment and CI/CD
- Used tools and technologies: Django, DRF, Docker, PostgreSQL, Redis, and Nginx

## ROHAMWEB COMPANY

2019 (Fall) - 2020 (Winter)

SOFTWARE DEVELOPER

## SKILLS

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### PROGRAMMING LANGUAGES

**Experienced:** Python      **Familiar:** Javascript | Java | Bash | GoLang

### INDUSTRY KNOWLEDGE

NLP | Data Science | Data Visualization | Machine Learning

### SOFTWARE DEVELOPMENT

Agile Methodologies | Scrum | DevOps | Git | Microservices

Linux | gRPC | RESTful APIs | Redis | Kafka | Hugging Face

### TOOLS AND TECHNOLOGIES

Numpy | Pytorch | SQL | Pandas | Docker | Django | Flask

## SCORES AND CERTIFICATIONS

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### TOEFL

2019

Scored 104. Reading:28 | Listening:26 | Speaking:23 | Writing:27

### GRE

2019

Scored 316. Verbal Reasoning:151 | Quantitative Reasoning: 165 | Analytical Writing:4

## **NLP SPECIALIZATION**

2019

Successfully completed deeplearning.ai course on Coursera. The allocated certification is available to check from [here](#)

## **ADMISSION**

2019

Awarded fully funded admission for Msc in Computer Science as research assistant from Texas state university

## **LPIC I**

2018

Participated the Linux LPIC I course of IEEE in KNTU and was awarded with the certificate after the final exam

## **PROJECTS**

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Projects detail can be found on [my github page](#)