

Pedram Katebi Koushali

Email: dir.katebi@gmail.com
GitHub: github.com/pedramktb

Website: pedramktb.github.io
LinkedIn: linkedin.com/in/pedramktb

Education

Bachelor of Science, Computer Sciences

[Kharazmi University](#), Tehran, Tehran, Iran

Grade: 18.85/20, WES CGPA: 3.98/4.0

Sep 2018 – Feb 2022

Relevant [Coursework](#):

- Artificial Intelligence: 20/20
- Design and Analysis of Algorithms: 19.9/20
- Data Structure and Algorithms: 19.8/20
- Numerical Linear Algebra: 19/20
- Probabilities 1: 20/20

Pre-University Certificate, Mathematics

Sep 2017 – Jun 2018

Shahid Soltani 3 School, Karaj, Alborz, Iran

Grade: 18.86/20, WES CGPA: 4/4

A school of [National Organization for Development of Exceptional Talents](#)

High School Diploma, Mathematics and Physics

Sep 2014 – Jun 2017

Shahid Soltani 3 School, Karaj, Alborz, Iran

Grade: 18.82/20, WES CGPA: 4/4

A school of [National Organization for Development of Exceptional Talents](#)

Honors and Awards

Certificate

Feb 2022

[Kharazmi University](#), Tehran, Tehran, Iran

Scholarship (tuition waiver) for computer science based master's programs at Kharazmi University, after ranking first among 35 students of my graduating class.

Certificate

2018

[National Organization of Education Testing](#)

Scholarship (tuition waiver) for the bachelor's program of computer science at Kharazmi University, after placing 3,651st out of 134,183 participants in the national Engineering & Mathematical Sciences competitive test.

Jun 2017

[National Organization for Development of Exceptional Talents](#)

Passed the 1st and 2nd stages of all three stages of the national Olympiad of informatics.

Research Interests

- Deep learning and neural network architectures
- Autonomous systems
- Speech recognition
- Computer vision and image recognition and restoration
- Pattern recognition and prediction
- Software and web development

Academic Experience

Feb 2022 – Jun 2022 **Teaching Assistant**
[Kharazmi University](#), Tehran, Tehran, Iran
Fundamentals of Combinations, [Arash Ahadi](#)

Sep 2021 – Feb 2022 **Teaching Assistant**
[Kharazmi University](#), Tehran, Tehran, Iran
Design and Analysis of Algorithms, [Arash Ahadi](#)
Database, [Somayeh Arabi](#)
Principles of Operating Systems, [Somayeh Arabi](#)

Industry Experience

Nov 2021 – Present **AI Engineer, Part-time**
Puzzle Run
Working both independently and collaboratively with a team of engineers, we created modules for image and object recognition, as well as feature extraction, that provide the Puzzle Run AR (augmented reality) application with an understanding of the environment and enable the placement of AR objects.

Publications

- P. Katebi K., M. Torabizadeh, M. Soltanian. "Stuttering Detection using Image Processing on Spectrograms". In Preparation (Draft)

Projects

- [ezVPN](#)
A private networking solution with state-of-the-art encryption, obfuscation, and multi-relay capabilities.
- [ezScripts](#)
A volunteer project that provides a platform for sharing educational resources.
- [GETX App](#)
Front-end development of the GETX App, a mobile app intended for easier information sharing and failure reporting for a company offering technical services.
- [Desperate Escape](#)
A 2D top-down shooter game developed for a game jam (ranked second).

Technical Skills

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|-----------------------------------|-----------------------|----------|
| • TensorFlow | • PyTorch | • OpenCV |
| • Front-end Development (Flutter) | • Computer networking | • Linux |

Programming Languages

- | | | |
|----------|-------------|---------|
| • Python | • C and C++ | • Bash |
| • Java | • Dart | • MySQL |

Language Skills

- **English**, Full professional proficiency
[IELTS Academic](#)
Overall: 8 (Listening: 9, Reading: 9, Speaking: 7.5, Writing:7)
- **German**, Professional working proficiency
- **Persian**, Native proficiency

Activities

- Member of Kharazmi's [Association for Computing Machinery](#)
Worked with the ACM team to hold contests and preparation courses for the ICPC competitions.

References

- | | |
|---|---|
| <ul style="list-style-type: none">• Arash Ahadi
Professor and head of the department of
Computer Sciences
Kharazmi University
Email: arash.ahadi@khu.ac.ir | <ul style="list-style-type: none">• Mohammad Soltanian
Professor in the department of Computer
Sciences
Kharazmi University
Email: m.soltanian@khu.ac.ir |
| <ul style="list-style-type: none">• Somayeh Arabi
Professor in the department of Computer
Sciences
Kharazmi University
Email: s.arabi@khu.ac.ir | |