

Arman Jafarnezhad

CONTACT INFORMATION

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RESEARCH INTERESTS

- Machine Learning
- Computer Vision
- Bioinformatics
- Optimization & Genetic Algorithm

EDUCATION

- **Kharazmi University of Tehran**, Tehran, Iran. Sep 2016 – Feb 2021, *The oldest institution of higher education in Iran*, <http://khu.ac.ir>
B.Sc. in Computer Science, GPA: **B** (3.0/4.0 *last 2 years*)
Thesis: Missing Data Imputation using ML and Genetic algorithm, GPA: **A+** (3.8/4.0)
Relevant Courses: Combinatorics (3.2/4.0), Computer & Programming (3.5/4.0), Computer Systems (3.0/4.0), Theory of Computation (3.5/4.0), Data Mining (3.2/4.0), Design and Analysis of Algorithms (3.2/4.0), Matrices and Linear Algebra (3.12/4.0)
TA Experience: Teaching Assistant of Principles of Computer & Programming, Fall 2018
Volunteer Experiences: Instructor of WebDev (web development course), Author of Kharazmi computer science department magazine
- **Allameh Helli High School**, Tehran, Iran. Sep 2012 – Jun 2016, *Affiliated with the National Organization for the Development of Exceptional Talents (NODET)*, <http://helli.ir>
Diploma in Physics and Mathematics Discipline, GPA: **A+** (3.9/4.0)
Volunteer Experiences: Executive Staff of 30th seminar of science & technology

HONORS & AWARDS

- Ranked **5th**, in NadCup National Robotics Competition, Jan 2010
- Recognized as talented student in entry exam of NODET among Tehran students for high-school, Jun 2012
- Ranked **26th**, in Iranian National University Entrance Exam (Graduate), Jun 2021
- Ranked **2000th**, in Iranian National University Entrance Exam (Undergraduate) among more than 200,000 students, Jun 2016

PROJECTS & ACADEMIC WORKS

- **Termustat** for students, Aug 2018 – Present, <http://termustat.ir/eng>
An online planning system to help students schedule their academic calendar. Termustat provides an online scheduling table for each student, which saves countless hours of time comparing to their old way of planning. The first version was released in summer 2018 and after three years of hard work, Termustat now supports 3 major universities in Iran (Kharazmi-Tehran-KhajeNasir), 27 faculties and 27,700 students. It totally changed the way students plan their academic schedule.
- **Termustat AI** for universities, Jun - Sep 2020, <http://termustat.ir/ai>
With the power of evolutionary algorithms especially genetic algorithm, Termustat AI was developed to help university departments schedule their course/teacher timetable with minimum conflicts and maximum efficiency. This smart system finds the best timetable possible and saves hours of both students and professors' time.
- **Covid-19 Chest X-ray Classifier**, Sep 2020, <http://ArmanJafarnezhad.ir/c19cxc>
A deep learning project and a computer vision model that can categorize chest x-rays into normal and Coronavirus (SARS-CoV-2). C19CXC was built on VGG16, a convolutional

neural network for classification and detection. After building and compiling the model, we trained it on hundreds of chest x-ray images. C19CXC can help doctors determine whether their patients have Covid-19 or not.

- **Livito.tv**, Jun 2021- Present, <https://livito.tv>
Livito, a product of ZarinPal, is a video broadcasting platform that delivers live, interactive content at the intersection of gaming, sports, and entertainment. It offers a fun, social way to watch people play games and donate to them.

PROFESSIONAL EXPERIENCE

- **Back End Web Developer**, ZarinPal, Jun 2021 – Present, <https://zarinpal.com>
- **Full Stack Developer**, Atlas Breeze Logistic, Nov 2019 – Jun 2020, <http://atlasgroup.co>

COURSES & CERTIFICATES

Credentials available at ArmanJafarnezhad.ir

- **Neural Networks and Deep Learning** by Prof. Andrew Ng, Coursera & deeplearning.ai
- **Convolutional Neural Networks** by Prof. Andrew Ng, Coursera & deeplearning.ai
- **Deep Artificial Neural Networks** by Institute for Research in Fundamental Science
- **Deep Learning** by Kaggle (subsidiary of Google Inc)
- **Machine Learning** by Kaggle
- **Python** by Kaggle
- **Advanced Web Development** by Tehran Institute of Technology

INTL. EXAMS

- **International English Language Testing System (IELTS)**
Listening = 7.0, Reading = 7.5, Writing = 6.5, Speaking = 7.0, Overall = 7.0
CEFR Level = C1
- **Graduate Record Examinations (ETS GRE General)**

HOBBIES

- **Sports and E-Sports:** Soccer, Ping Pong, Dota 2
- **Music:** Playing Piano
- **Outdoor Activities:** Backpacking, Camping

REFERENCES

- **Dr. Arash Ahadi**
Assistant Professor, Kharazmi University of Tehran, arash.ahadi@khu.ac.ir
- **Dr. Mohammad Soltanian**
Assistant Professor, Kharazmi University of Tehran, m.soltanian@khu.ac.ir
- **Dr. Somayeh Arabi**
Assistant Professor, Kharazmi University of Tehran, s.arabi@khu.ac.ir
- **Dr. Keivan Borna**
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