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**RESEARCH INTERESTS**

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- (Deep) Reinforcement Learning
- Model-Based Reinforcement Learning

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**EDUCATION**

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- **Université de Montréal / MILA** Montréal, Canada  
*Master of Science in Computer Science* *Jan. 2021 – Present*
  - **Supervisor:** Prof. Sarath Chandar
- **Sharif University of Technology** Tehran, Iran  
*Bachelor of Science in Computer Science; GPA: 17.22 / 20* *Sep. 2015 – Sep. 2020*

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**HONORS AND AWARDS**

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- M.Sc. Tuition Exemption Scholarships (Bource C) *2021*
- Université de Montréal Montréal, Canada
- International Undergraduate Excellence Award *2019*
- Chair for CAMPAR of Technical University of Munich Munich, Germany
- Deep Learning Summer School Grant *2018*
- Tsinghua University Beijing, China
- Summer Internship Grant *2017*
- National Cheng Kung University Tainan, Taiwan
- Grant for Undergraduate Studies for Outstanding Academic Success *2015*
- Iranian National Elites Foundation Tehran, Iran
- Silver Medal *2014*
- 24<sup>th</sup> Iranian National Olympiad in Informatics(INOI) Tehra, Iran

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**RESEARCH EXPERIENCE**

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- **MILA** Montréal, Canada  
*Thesis Based M.Sc. Student* *Jan. 2021 – Present*
  - **Supervisor:** Prof. Sarath Chandar
  - **Focus:** Deep Reinforcement Learning
- **Chair for CAMPAR** Munich, Germany  
*Undergraduate Research Assistant* *Summer 2019*
  - **Supervisor:** Prof. Dr. N. Navab
  - **Worked on:** 3D camera re-localization in changing indoor environments
- **Intelligent Knowledge Management Lab** Tainan, Taiwan  
*Undergraduate Research Assistant* *Summer 2017*
  - **Supervisor:** Prof. H. Y. Kao
  - **Worked on:** Various text summarization methods

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**TEACHING EXPERIENCE**

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- **Sharif University of Technology** Tehran, Iran  
*Teacher Assistant*
  - **Courses:** Advanced Programming, Data Structures
- **Iranian National Olympiad in Informatics** Tehran, Iran  
*Part of Scientific Committee for the Summer and Final Round Exams* *2016 – 2018*
- **High Schools** Tehran, Iran  
*Instructing Informatics Olympiad Materials* *2015 – 2018*

## WORKING EXPERIENCE

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- **CafeBazaar Inc.** Tehran, Iran  
*Senior Data Scientist* *Sep. 2017 – Jan. 2021*
  - **Teams:** Spam Detection on Applications Reviews, Application Recommender System, Search-Ads, Search Engine, User Profiling
- **CafeBazaar Inc.** Tehran, Iran  
*Software Engineer* *Nov. 2016 – June 2017*

## TALKS AND PRESENTATIONS

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- **10<sup>th</sup> Sharif AI Challenge** SUT, Tehran, Iran  
*Guest Speaker* *2018*
  - **Talk:** Cafe Judge, Spam Detection in Cafe Bazaar

## PROJECTS

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- **Camera Pose Generator for 3RScan Data:** As a part of working for 3D camera relocalization research project, this task is designed to generate different valid poses with their rendered scene. Rendering is done with OpenGL in NanoGUI environment.
- **CafeBazaar Data Science Mentorship Program:** Designed different workshops and tutorials with the aim of knowledge sharing and training.
- **Leader of Data Science in Search-Ads Team:** Led data science, mechanism design, and optimization problems in Search-ads team of CafeBazaar.
- **Image Style Transfer:** PyTorch implementation of image style transfer using CNNs. (code)
- **End-to-End Self-Driving Car (Behavioral Cloning):** As a project at the 7th Hackathon of Cafe Bazaar, inspired by the DAVE-2 model of NVIDIA, done in two days. (code, description)
- **Online Scalable App-Recommender System:** Implemented model trainer, and also hyper-parameter tuning on a single GPU for online scalable android applications Rec-Sys of CafeBazaar using the implicit-als algorithm as being a member of the team. Final output of the team could handle over 500 requests per second.
- **Spam Detector for Applications' Reviews in the App Store:** A Kafka consumer, written with PySpark in order to accept or reject comments in CafeBazaar application automatically.

## PROGRAMMING SKILLS

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- **Languages:** Skilled in Python, Familiar with C++, Java, Scala, and L<sup>A</sup>T<sub>E</sub>X
- **ML and Data Science Tools:** Skilled in PyTorch, NumPy, Familiar with Tensorflow
- **Technologies:** Apache Spark (and PySpark), Apache Hadoop

## LANGUAGE PROFICIENCY

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- **Persian** (Native) **English** (Fluent) - TOEFL iBT: 106/120