

AMIN POURDABIRI

amin.pourdabiri@alum.sharif.edu * amin_pourdabiri@comp.iust.ac.ir * amin.pourdabiri@gmail.com

Personal Webpage: pourdabiri.ir

EDUCATION

- M.Sc.** Computer Engineering, Artificial Intelligence Sept. 2018 - Sept. 2021
[Iran University of Science and Technology](#), Tehran, Iran
Thesis: *Chit-Chat dialogue system based on movie dialogues*
Supervisors: [Dr. M.T. Pilehvar](#) and [Dr. S. Eetemadi](#)
Current Cumulative GPA: 3.88
- B.Sc.** Computer Engineering, Information Technology Sept. 2014 - Sept. 2018
[Sharif University of Technology](#), Tehran, Iran
Thesis: *Outcome Based Education (OBE) system*
Supervisor: [Prof. M. Izadi](#)
Cumulative GPA: 3.85

RESEARCH INTERESTS

- | | |
|--------------------------------|------------------------|
| 1. Deep Learning | 4. Machine Learning |
| 2. Natural Language Processing | 5. Multimodal Analysis |
| 3. Dialogue Systems | 6. Multimedia System |

PUBLICATIONS

- [1] M. Zarharan, M. Ghaderan, A. Pourdabiri, Z. Sayedi, B. Minaei Bidgoli, S. Eetemadi, and M. T. Pilehvar, "**ParsFEVER: a Dataset for Farsi Fact Extraction and Verification**", in **SEM*, Bangkok, 2021.
- [2] T. Shangipour, K. Darvishi, S. Javdan, A. Pourdabiri, B. Minaei Bidgoli, and M. T. Pilehvar, "**Pars-OFF: A Benchmark for Offensive Language Detection on Farsi Social Media**", in *IEEE Transactions on Affective Computing*, 2022.
- [3] Z. Sayedi, A. Pourdabiri, M. Zarharan, S. Eetemadi and M. T. Pilehvar, "**Automatic Construction of a Large-scale Dialogue Dataset Based On Movie Subtitles**". *In Prep.*
- [4] A. Pourdabiri, Z. Sayedi, M. Zarharan, S. Eetemadi, and M. T. Pilehvar, "**Developing an Open-Domain Dialogue System, Considering Text and Voice of Movie Dialogues**". *In Prep.*

RESEARCHES AND RELATED EXPERIENCES

Academic Projects:

Iran University of Science and Technology:

- | | |
|---|----------------------------|
| • Gathering Cattle from The Pasture Simulation – NetLogo, Multi-Agent Systems Course | Spring Semester, Jun. 2020 |
| • End of Speaker Detection in Dialogues Using Text – Python, Deep Learning Course | Spring Semester, Jun. 2019 |
| • Aspect Extraction for Opinion Mining – Python, Adv. Data Mining Course | Spring Semester, Jun. 2019 |
| • Annual Country Export and Import Supply Prediction – Python, Machine Learning Course | Spring Semester, Jun. 2019 |
| • Image Classification Model Based on CNN – Python, Pattern Recognition Course | Fall Semester, Jan. 2019 |

Sharif University of Technology:

- | | |
|---|----------------------------|
| • Implementation of Hill Cipher & Cryptanalysis – Python, Network Security Course | Fall Semester, Jan. 2018 |
| • Online Book Store Website – ASP.NET MVC and SQL, Web Design Course | Spring Semester, Jun. 2017 |
| • Persian and Julian Calendar implementation – Html/CSS, JavaScript, Web Design Course | Spring Semester, Jun. 2017 |
| • Coffee Shop Website – HTML/CSS, Web Design Course | Spring Semester, Jun. 2017 |
| • Tehran Entertainment Website – WordPress, Project Management Course | Fall Semester, Jan. 2017 |
| • Modifying Linux Kernel – Ubuntu, Operating Systems Course | Fall Semester, Jan. 2017 |
| • Implementation of Snake and 2048 Game – Java, Advanced Programming Course | Fall Semester, Jan. 2016 |
| • Simple Library System Implementation – C, C/C++ Programming Course | Fall Semester, Jan. 2015 |

Research Experience:

- **Designing Persian FAQ Dialogue System** Apr. 2021 - Present
StarHub event
Part of a group of six under the supervision of [Dr. M.T. Pilehvar](#), [Dr. S. Eetemadi](#)
- **Designing Persian Chit-Chat Dialogue System** Nov. 2019 - Present
Dadmatach firm
Part of a group of six under the supervision of [Dr. M.T. Pilehvar](#), [Dr. S. Eetemadi](#) and [Prof. B. Minaei Bidgoli](#)
- **End of Speaker Detection in Dialogues Based on Lexical Context** Nov. 2018 - Dec. 2019
Iran University of Science and Technology
Part of a group of two under the supervision of [Dr. S. Eetemadi](#)

Work Experience:

- [Dadmatach](#) firm - Artificial intelligence group, Tehran, Iran Nov. 2019 - Present
Artificial Intelligence Engineer
- SHK firm - Information and communications technology (ICT), Tehran, Iran May 2018 - Present
Information Technology Engineer
- MAT Start up firm - Business holding, Tehran, Iran Jun. 2017 - Feb. 2018
Website and Application developing

Teaching Experience:

- **Natural Language Processing with Deep Learning**, Computer Engineering Dept. Feb. 2021 - Aug. 2021
Instructors: [Dr. S. Eetemadi](#) *Iran University of Science and Technology*
Course webpage: sauleh.ir/nlp99/
Worked as a team of 7 teacher assistants on a course averaging 28 students
 - Coordinated lecturing topics: The Fundamentals of Natural Language Processing and Deep Learning
- **Advanced Data Mining**, Computer Engineering Dept. Feb. 2021 - Aug. 2021
Instructors: [Prof. B. Minaei Bidgoli](#) *Iran University of Science and Technology*
Worked as a team of 3 teacher assistants on a course averaging 25 students
 - Coordinated lecturing topics: The Fundamentals of Advanced Data Mining
- **Deep Learning**, Computer Engineering Dept. Feb. 2020 - Aug. 2020
Instructor: [Dr. M.T. Pilehvar](#) *Iran University of Science and Technology*
Course webpage: just-deep-learning.github.io/982/
Worked as a team of 4 teacher assistants on a course averaging 30 students
 - Coordinated lecturing topics: The Fundamentals of Deep Neural Networks and TensorFlow 2
- **Natural Language Processing**, Computer Engineering Dept. Sept. 2019 - Feb. 2020
Instructors: [Dr. M.T. Pilehvar](#) and [Prof. B. Minaei Bidgoli](#) *Iran University of Science and Technology*
Worked as a team of 3 teacher assistants on a course averaging 30 students
 - Coordinated lecturing topics: The Fundamentals of Natural Language Processing and Deep Learning
- **Multimedia Systems**, Computer Engineering Dept. Sept. 2018 - Feb. 2018
Instructor: [Dr. M. Amiri](#) *Sharif University of Technology*
Worked as a team of 4 teacher assistants on an undergraduate course averaging 40 students
 - Coordinated MATLAB Tutorial, covering the following topics: variables, vectors, graphs and plots, filtering images and manipulating video frames.
- **Operating Systems**, Computer Engineering Dept. Feb. 2016 - Jun. 2017
Instructor: [Dr. A. Sepehr](#) *Sharif University of Technology*
Worked as a team of 2 teacher assistants on an undergraduate course averaging 20 students
 - Coordinated lecturing slides for Virtual Machines and Linux environment, covering the following topics: concepts of piping, checking and monitoring system resources, how to work with Virtual Machines.

* In all teaching experiences I have coordinated assignments, quizzes and grading.

HONORS AND AWARDS

Ranked 8th

Sept. 2020

M.Sc., Artificial Intelligence, Iran University of Science and Technology
Among total 30 students, class of 2018

Ranked 3rd

Sept. 2018

B.Sc., Information Technology, Sharif University Technology
Among total 40 students, class of 2014

- **Rank #3** - Spring Semester, Jun. 2018
- **Rank #2** - Fall Semester, Jan. 2018
- **Rank #3** - Fall Semester, Jan. 2016
- **Rank #3** - Spring Semester, Jun. 201

Entrance Exam:

- Ranked 96th among about 30,000 candidates in National University Entrance Exam (Konkur) in Computer Engineering major, 2018.
- Ranked 355th among 222,507 candidates in National University Entrance Exam (Konkur) in Mathematical Sciences group, 2014.

COMPUTER SKILLS

Programming: C/C++, Java, Python, ASP.NET, C#, HTML/CSS, JavaScript, SQL, MATLAB

Applications: DEV, IntelliJ IDEA, PyCharm, Visual Studio, Microsoft Office, MySQL, SQL Server, Quartus, ModelSim, Proteus, WireShark, Arena, Keras, TensorFlow, PyTorch, PowerBI, Swagger, Postman, AWS

Platforms: Windows, Linux, Android

LANGUAGES

Persian: Native Language

English: Advanced Reading, Writing and listening, Intermediate Speaking (Scheduled to participate in IELTS Academic test soon – delayed due to the local Covid-19 restrictions)

OTHER INTERESTS

Cinema – Camping – Traveling – Hiking – Cycling – Camping – Bowling – Philosophy books – Computer Games Design

REFERENCE PROFESSORS

- [Behrouz Minaei Bidgoli](#), Associate Professor, Department of Computer Engineering, Iran University of Science and Technology, Tehran, Iran; b_minaei@iust.ac.ir
- [Mohammad Taher Pilehvar](#), Assistant Professor, Tehran Institute for Advanced Studies (TeIAS), Tehran, Iran; mp792@cam.ac.uk
- [Sauleh Eetemadi](#), Assistant Professor, Department of Computer Engineering, Iran University of Science and Technology, Tehran, Iran; sauleh@iust.ac.ir