

# Arash Yadegari

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## Summary

Toward the end of my PhD in Computer Science, I am looking for a full-time position. I am passionate about Automation, Data Science, and Software Engineering to contribute and have a positive impact on our daily lives. I want to pursue a career in an international and dynamic team where I use my skills and see possibilities for continuous development.

- Master degree in Software Engineering, Bachelor degree in Information Technology Engineering
- More than 3 years experience in IT
- Experience with ML methods in multiple projects
- Experience with data analysis and modeling
- Knowledge in programming, database modeling, SQL/NoSQL
- Experience with data analytics and dev-op tools, Agile methods
- Eager to learn, analytical thinker, autonomous, communication and collaboration skills

## Work Experiences

9/2018 – 2/2019 **Software Developer**, *Diaalog*, part-time job, Website Chatbot.

**Tech. Stack:** Python, Docker (Rancher), Flask, Mongo DB

**Responsibilities:** Backend development, CI/CD, documentation, algorithm design

**Some Contributions:**

- Changed the dialogue logic and provide a tree data structure in order to follow a dialogue
- Provided Unit tests for the backend to be run automatically in the build time
- Provided documentation for the backend endpoints
- Refactored backend to provide a consistent interface to the frontend with all required data

10/2017 – 5/2018 **Software Engineer**, *Amirkabir University ICT Research Center*, part-time job, Internet of Things Project.

**Tech. Stack:** Python, MQTT, Mongo DB, Postgre SQL, Github, Open Project

**Responsibilities:** Research and development, documentation

**Some Contributions:**

- Design and implementation of database performance comparison
- Developed backend APIs with Flask
- Automation implementation for email sending using MQTT

6/2014 – 6/2015 **Android Developer**, *6<sup>th</sup> Solution*, full-time job.

Native Android Application Development, Apps: UniqueWidget, Weather360

**Tech. Stack:** Java, Android, APIs, SQLite

**Responsibilities:** backend development, Agile methods

**Some Contributions:**

- Implemented backend core for retrieval and storage of data using APIs
- Research and use of Android libraries for improvement

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## Education

- 4/2019 – 9/2023 (expected) **Computer Science - PhD**, *University of Groningen, Netherlands*, Information Systems Group, Area: Business Process Management, Predictive Monitoring and Adaptation.  
*Specialized Courses*: Process Aware Information Systems, Process Mining
- 9/2015 – 7/2018 **Software Engineering - Master of Science**, *Amirkabir University of Technology, Iran*, Final thesis: Author Clustering on Short Persian Texts, 17.19/20 (CGPA 3.63).  
*Specialized Courses*: Text Mining, Advanced Topics in Information Retrieval and Web Search
- 9/2011 – 9/2015 **Information Technology Engineering - Bachelor of Science**, *Amirkabir University of Technology, Iran*, Final thesis: Text Similarity Measurement, 17.89/20 (CGPA 3.82).  
*Specialized Courses*: Data Mining, Artificial Intelligence, Software Engineering

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## Technical & Soft Skills

- Programming** Python, Java, JavaScript
- Data** SQL, NoSQL, APIs (Flask/Django), Data Modeling
- Databases** MySQL, MongoDB, SQL Server, PostgreSQL
- DevOps** Git, Docker, Agile
- Data Analysis** Jupyter Notebooks, Scikit-learn, Weka, Camunda, Apromore
- Concepts** RDBMS, Machine Learning, CI/CD, Design Patterns, UML, Object Oriented
- Soft Skills** Desire to learn, Research, Problem-solving, Planning, Communication, Critical-thinking, Adaptability

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## Languages

- English** Full Professional Proficiency - C1
- Dutch** Limited Working Proficiency - B1/B2
- Persian** Native Proficiency

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## Honors

- 2015 Offered direct admission to the graduate school of Computer Engineering and IT Department at Amirkabir University of Technology as a reward of academic records
- 2015 2<sup>nd</sup> GPA in Information Technology students of Amirkabir University of Technology
- 2014 10<sup>th</sup> rank in Iran's national olympiad of Computer Engineering
- 2014 Qualified in the Amirkabir's on-site ACM programming contest to Sharif University of Technology's ACM regional programming contest (team name: Gru)
- 2011 Being in top 1% in Iran's national university entree exam of mathematics and physics

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## Interests

- Technology & AI
- Personal Development
- Traveling
- Sports