

# Behnam Vakili

## PERSONAL DATA

DATE OF BIRTH: 16 February 1992  
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## WORK EXPERIENCE

APRIL 2021 - PRESENT	<b>Data Engineer</b> at <a href="#">Datrick</a> , Istanbul, Turkey (Remote) <ul style="list-style-type: none"><li>- Implemented ETL pipelines using Apache Airflow and GCP</li></ul>
JANUARY 2020 - MARCH 2021	<b>Data Engineer</b> at <a href="#">eBuyNow</a> , Victoria, Canada (Remote) <ul style="list-style-type: none"><li>- Implemented ETL pipelines using AWS Glue</li><li>- Created dashboards on Apache Superset</li><li>- Implemented CI/CD pipelines</li></ul>
DECEMBER 2018 - DECEMBER 2019	<b>Data Scientist/Engineer</b> at <a href="#">Sanjagh</a> , Tehran (Remote) <ul style="list-style-type: none"><li>- Fraud detection using Neo4j</li><li>- Created and automated marketing reports (e.g. conversion calculation)</li></ul>
DECEMBER 2017 - NOVEMBER 2018	<b>Machine Learning Engineer</b> at <a href="#">Razi Bandar</a> , Tehran <ul style="list-style-type: none"><li>- Automated defect detection in sewer closed-circuit television inspections using deep convolutional neural networks</li></ul>
SEPTEMBER 2017 - NOVEMBER 2017	<b>Machine Learning Intern</b> at <a href="#">Rahnema College</a> , Tehran <ul style="list-style-type: none"><li>- Used ML algorithms for some real problems under the supervision of some professional ML engineers</li></ul>
MARCH 2017 - AUGUST 2017	<b>Software Developer Intern</b> at <a href="#">Zarrin</a> , Tehran <ul style="list-style-type: none"><li>- Full Stack Web Development: Collaboration in creating <a href="#">hamrahvitrin.ir</a> Website for online jewelry shops</li></ul>
SEPTEMBER 2016 - FEBRUARY 2017	<b>Researcher</b> at Amin Raay, Tehran <ul style="list-style-type: none"><li>- Member of a team that developed a security and vulnerability analysis guidelines document for test and set up laboratory equipment in FAHAM (National Smart Metering Program in Iran)</li></ul> Supervisor: <a href="#">Tina Tavizi</a>

## SKILLS

Programming Languages:	Python, JavaScript, Scala (basic)
ETL platforms:	Apache Airflow, AWS Glue
Cloud Platforms:	Amazon Web Services (AWS), Google Cloud Platform (GCP)
Big Data:	Spark
Database:	Redshift, BigQuery, PostgreSQL, MongoDB, Neo4j
Web Frameworks:	Django, Flask, Vue.js
Version Control/DevOps:	Git, Docker
GUI Frameworks:	PyQt5
Operating Systems:	Linux

## EDUCATION

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- FEBRUARY 2018    Master of Science in ELECTRICAL ENGINEERING (CONTROL SYSTEMS),  
**Iran University of Science and Technology**, Tehran, Iran.  
Seminar: "A Review on Loop Control Performance Assessment Techniques"  
| Advisor: Prof. Javad POSHTAN
- SEPTEMBER 2015    Bachelor of Science in ELECTRICAL ENGINEERING,  
**University of Tehran**, Tehran, Iran.

## AREAS OF RESEARCH INTERESTS

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- Data Mining
- Machine Learning
- Recommender Systems
- Artificial Intelligence

## PUBLICATIONS

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- 2020    A two-stage gene selection approach for biomarker discovery in breast cancer diagnosis by utilizing microarray data [submitted to Journal of Cellular Biochemistry]

## HONORS AND AWARDS

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- AUGUST 2010    **Ranked 102<sup>nd</sup>** among more than **350,000** participants of "Nationwide Entrance Exam of Public Universities" (Konkour).
- APRIL 2009    Qualified in **National Mathematical Olympiad**, Tehran, Iran.

## CERTIFICATES

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- 2019    **QUERA COLLEGE** certificate of Advanced Python Programming and Object-Oriented Thinking course with PERFECT score.
- 2019    **QUERA COLLEGE** certificate of Machine Learning and Artificial Intelligence course with PERFECT score.
- 2019    **UDACITY** Computer Vision Nanodegree.
- 2019    **UDACITY** Deep Learning Nanodegree.
- 2018    **UDACITY** Machine Learning Engineer Nanodegree.

## SELECTED ACADEMIC PROJECTS

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- 2020    Building a music **recommender system** using BeepTunes dataset as the final project for Rahnema College's internship program.
- 2019    Combining CNN and RNN to build a deep learning model that produces captions given an input image as a course project for **Computer Vision** course.
- 2018    Using image processing techniques and deep learning techniques to detect faces in an image and find facial key-points, such as the position of the eyes, nose, and mouth on a face as a course project for **Computer Vision** course.
- 2016    Writing a report to review path planning algorithms for mobile robots, as a course project for **Mechatronics II**.

## LANGUAGES

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- ENGLISH:    Fluent
- PERSIAN:    Native
- TURKISH:    Fair