

Behnam Vakili

PERSONAL DATA

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WORK EXPERIENCE

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| OCTOBER 2021 - PRESENT | Data Engineer at Datrick , Istanbul, Turkey (Remote) <ul style="list-style-type: none">- Build, maintain, and monitor batch ETL pipelines in a hybrid Google Cloud Platform architecture (BigQuery, Google Cloud functions, etc.) and Apache Airflow- Provide day-to-day support of the DW and DL environments |
| SEPTEMBER 2020 - OCTOBER 2021 | Data Scientist/Engineer at Sanjagh , Tehran (Remote) <ul style="list-style-type: none">- Fraud detection- Create and automate marketing reports (e.g. conversion calculation) |
| NOVEMBER 2019 - SEPTEMBER 2020 | Machine Learning Engineer at RadBonyan , Tehran <ul style="list-style-type: none">- Defect detection in sewer closed-circuit television (CCTV) inspections using deep convolutional neural networks (data annotation, training, creating the desktop app) |
| DECEMBER 2019 - FEBRUARY 2020 | Machine Learning Intern at Rahnema College , Tehran <ul style="list-style-type: none">- Used ML algorithms for some real problems under the supervision of some professional ML engineers |
| MARCH 2018 - SEPTEMBER 2018 | Software Developer Intern at Zarrin , Tehran <ul style="list-style-type: none">- Full Stack Web Development: Collaboration in creating hamrahvitrin.ir Website for online jewelry shops |
| SEPTEMBER 2017 - MARCH 2018 | Researcher at Amin Raay, Tehran <ul style="list-style-type: none">- Member of a team that created a security guideline document for the first phase of FAHAM (National Smart Metering Program in Iran) |

SKILLS

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| Programming Languages: | Python, Scala (basic), JavaScript |
| ETL Tools: | Apache Airflow, AWS Glue |
| Cloud Platforms: | Amazon Web Services (AWS), Google Cloud Platform (GCP) |
| Big Data: | PySpark |
| DWHs/DBs: | Redshift, BigQuery, PostgreSQL, MongoDB, Neo4j |
| Web Frameworks: | Django, Flask, Vue.js |
| Version Control/DevOps: | Git, Docker, Terraform |
| GUI Frameworks: | PyQt5 |
| Operating Systems: | Linux |
| BI Tools: | Grafana, Apache Superset, Zoho |

EDUCATION

- 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

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

PUBLICATIONS

- 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

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

CERTIFICATES

- 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

- 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

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