

Behnam Vakili

PERSONAL DATA

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WORK EXPERIENCE

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
OCTOBER 2020 - PRESENT	Data Engineer at eBuyNow, Victoria, Canada (Remote) <ul style="list-style-type: none">- Develop and maintain ETL jobs within AWS architecture (AWS Glue, Redshift, S3, Sagemaker, Lambda, etc.)- Processing jobs orchestration using Apache Airflow- Implement CI/CD pipelines- Design dashboards (Apache Superset, Zoho, Grafana)
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

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