

# Behnam Vakili

## PERSONAL DATA

DATE OF BIRTH: 16 February 1992  
EMAIL: [behnamkvl@gmail.com](mailto:behnamkvl@gmail.com) | LinkedIn: [behnam-vakili](#) | Portfolio: [behnamkvl.me](#)

## WORK EXPERIENCE

OCTOBER 2021 - MARCH 2022	<b>Consultant Data Engineer</b> at <a href="#">Infinity Works (part of Accenture)</a> , Birmingham, UK - Data Engineering Academy instructor
OCTOBER 2021 - MARCH 2022	<b>Data Engineer</b> at <a href="#">Datrick</a> , Istanbul, Turkey (Remote) - 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	<b>Data Scientist/Engineer</b> at <a href="#">Sanjagh</a> , Tehran (Remote) - Fraud detection - Create and automate marketing reports (e.g. conversion calculation)
NOVEMBER 2019 - SEPTEMBER 2020	<b>Machine Learning Engineer</b> at <a href="#">RadBonyan</a> , Tehran - 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	<b>Machine Learning Intern</b> at <a href="#">Rahnema College</a> , Tehran - Used ML algorithms for some real problems under the supervision of some professional ML engineers

## 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	<b>Master of Science in ELECTRICAL ENGINEERING (CONTROL SYSTEMS),</b> <b>Iran University of Science and Technology, Tehran, Iran.</b> Seminar: "A Review on Loop Control Performance Assessment Techniques"   Advisor: Prof. Javad POSHTAN
SEPTEMBER 2015	<b>Bachelor of Science in ELECTRICAL ENGINEERING,</b> <b>University of Tehran, Tehran, Iran.</b>

## 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 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

---

- 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