

Behnam Vakili

PERSONAL DATA

DATE OF BIRTH: 16 February 1992
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WORK EXPERIENCE

OCTOBER 2020 - PRESENT	Data Engineer at eBuyNow , Victoria, Canada (Remote) <ul style="list-style-type: none">- Implementing ETL jobs.- Implementing/Managing Dashboards- Designing Event-Driven Systems- Designing and deploying dynamically scalable, available, fault-tolerant, and reliable application on the Cloud- Writing python scripts to manage AWS resources from API calls using BOTO3 SDK and AWS CLI
AUGUST 2020 - PRESENT	Data Scientist at Sanjagh , Tehran (Remote) <ul style="list-style-type: none">- Data analysis- Automating/Analyzing marketing reports
SEPTEMBER 2019 - AUGUST 2020	Machine Learning Engineer at Razi Bandar , Tehran <ul style="list-style-type: none">- Automated defect detection in sewer closed-circuit television inspections using deep convolutional neural networks.
JANUARY 2020 - MARCH 2020	Machine Learning Intern at Rahnema College , Tehran <ul style="list-style-type: none">- Implementing 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 - FEBRUARY 2018	Researcher at Amin Raay, Tehran <ul style="list-style-type: none">- 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). Supervisor: Tina Tavizi

SKILLS

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

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" (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