Behnam Vakili

Personal Data

Date of Birth:	16 February 1992
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Work Experience

October 2020 - Present	**Data Engineer / Full-Stack Developer** at eBuyNow, Victoria, Canada (Remote) - DevOps - 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) - Data analysis - Automating/Analyzing marketing reports
September 2019 - August 2020	**Machine Learning Engineer** at Razi Bandar, Tehran - 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 - 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 - Full Stack Web Development: Collaboration in creating hamrahvitrin.ir Websit for online jewelry shops.
September 2017 - February 2018	**Researcher** at Amin Raay, Tehran - 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) Experienced in: Pytorch, TensorFlow, Keras, scikit-learn, Spacy, NLTK, OpenCV
Web Frameworks:	Django, Flask, Vue.js
Cloud Platforms:	Amazon Web Services (AWS)
Event Streaming Platforms:	Apache Kafka
Database:	PostgreSQL, MongoDB, Neo4j
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" (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