Maryam Ahmadi

Data Scientist | Machine Learning Engineer | Software Engineer

PROFILE: Data Scientist with +4 years of programming experience in Python, C#, Java, SQL and hands on experience on building end-to-end Machine Learning models, large-scale data, algorithms, and analytics applications and deploy model with cloud platforms such as Azure ML, Heroku and Streamlit.

AREAS OF EXPERTISE

- Train, validate, test and develop machine learning models.
- Implement Regression, classification and clustering techniques, Image Segmentation and Object Detection.
- Data exploration, sampling, data generation, feature engineering, model building, and performance evaluation.
- Relational database design and implementation.

PROFESSIONAL EXPERIENCE

Machine Learning Engineer, *Omdena*   **2020 Jun – Present**

- Build, maintain and improve machine learning models to perform at scale in a production-ready environment.
- Develop new features and augment tools based on business requirements.
- Work collaboratively with the Data Architects, Data Scientists, and other members of the Analytics team to design and build all necessary data pipelines.
- Participate in the strategic development of system capabilities within advanced analytics and modelling, data mining and database marketing.
- Monitor junior ML engineers, provide their tasks for each project and regularly hold code reviews.

Freelance Data Scientist, *Various*   **2018 Nov – 2020 Apr**

- Researched, designed, and implemented analytical models and algorithms.
- Analyzed and processed complex data sets using advanced querying, visualization and analytics tools.
- Collected, analyzed, and interpreted raw data from various websites.
- Fixed Python bugs in codes/projects.

Sample projects:

- Perform sentiment analysis on upcoming movies using the YouTube comments on their trailers.
- Develop a classifier with Deep learning techniques to identify if a shopping product is sustainable and to which recycling bin it belongs.
- Implementing Real-Time Lane Detection using OpenCV.
- Build a web application that supports online (one-by-one) prediction using a trained machine learning model and pipeline.
- Build a machine learning model to predict the probability that a loan will charge off.

PERSINAL INFO

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GitHub
https://github.com/Maryam-Ah?tab=repositories

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TECHNICAL SKILLS

- **Programming Languages/Frameworks:** Python, C#, Java, SQL, Tableau, Dreamweaver

- **Cloud-based Services:** Azure ML, Google Colab, Heroku, Streamlit, Labelbox, SqlDBM,

- **Python / ML Libraries / Frameworks:** Scikit-learn, Pandas, Numpy, Matplotlib, Seaborn, Tensorflow, Pytorch, Keras, PyCaret, Flask, OpenCV.

EDUCATION

Masters of Computer Engineering - Algorithms and Computations, University of Tehran, Iran - 2015

Bachelor of Computer Technology Engineering, University of Bonab, Iran – 2011

Database Developer, Rah Sazan, *Iran*   **2019 Jan – 2019 Mar**

- Mapped out the conceptual design for a planned database.
- Installed and tested new versions of the database management system (DBMS).
- Wrote database documentation, including data standards, procedures and definitions for the data dictionary (metadata).
- Worked closely with IT project managers, database programmers and multimedia programmers.

Freelance Web Developer/Designer, *Toronto*   **2016 Sep – 2018 Nov**

- Designs and develops user-cenetred websites for the Faculty and its department.
- Implemented industry-leading HTML 5/CSS frameworks, including Bootstrap.
- DOM manipulation with jQuery and optimize websites for SEO, performance and analytics.
- Design and implement relational databases using SQL Server.

CERTIFICATIONS

- Machine Learning University of Toronto - 2020
- Big Data Management University of Toronto - 2020
- Foundation of Data Science University of Toronto - 2020
- Statics for Data Science University of Toronto - 2020
- Python for Data Science and Udemy ,2019
- Master SQL For Data Science Udemy, 2020

SOFT SKILS

- Ability to work well with others as well as individually.
- Critical thinking and problem-solving skills.
- Adaptability and propensity to learn new coding languages and programs.
  Communication skills and the ability to boil down complex subjects to simple terms