Reza Pourrahim

Email: rezaprh@gmail.com
LinkedIn: linkedin.com/reza-pourrahim
GitHub: github.com/Reza-Pourrahim
Website: reza-pourrahim.github.io
Phone: +39-334-802-0503

Education

September 2018 – Present

M.Sc. in Data Science,
Information Engineering, Computer Science and Statistics Faculty**,**
Sapienza University, Rome, Italy.

September 2011 - July 2016

B.Sc. in Computer Engineering,
Computer Engineering and Science Faculty, **Shahid Beheshti University**, Tehran, Iran.
Dissertation: Group Constraints Clustering based on Ensemble Learning

September 2007 - July 2011

High-school Diploma in Mathematics and Physics,
Allame Jafari High School, Ghazvin, Iran
GPA: 19.56/20

Work Experiences

October 2016 – July 2018 — **Namaad Arya Co.**
Project Manager and Full Stack Developer
Programming Languages: Python, JavaScript, CSS,XML
Using Odoo as Open Source ERP and CRM

December 2015 – April 2016 — **WegoBazaar Co.**
Web Developer
Implementing E-Commerce website: wegobazaar.com
Programming Languages: PHP, Laravel

2015 Summer — **Namaad Iran Co.**
Internship – Web Developing

Languages

- Persian(Farsi): Native
- English: Fluent
- Italian: Elementary

Skills and Tools

Programming Languages:

- Programming Language: Python, PHP, C++, C#, Java
- Web Programming: HTML, CSS, JavaScript

Frameworks and Tools:

- Machine Learning Frameworks: TensorFlow, PyTorch, Scikit-Learn, Weka
- MATLAB (Optimization, Statistics and Machine Learning)
- Special Library: Pandas, Scipy, Numpy, NLTK
- Statistical Software: Rstudio, SAS
- Frameworks: Laravel
- DBMSs: Microsoft SQL Server, MySQL, MongoDB, PostgreSQL
- IDE: Eclipse, PyCharm, Spyder, Jupyter, Microsoft Visual Studio, IntelliJ IDEA
- OS: Linux Ubuntu, Windows
- General Software: Microsoft Office, LaTeX, Excel
- Open ERP: Odoo
- Remote Software: X2Go, PuTTY

Industry Knowledge:

- Object-Oriented Programming (OOP)
- Project Management

Projects

- Implement a Convolutional Neural Network to Perform Image Classification and Explore Methods to Improve the Training Performance (PyTorch)
- Implement a Simple Two-layer Neural Network and its Training Algorithm based on Back-propagation using only Basic Matrix Operations (PyTorch, CIFAR-10)
- Group Constraints Clustering based on Ensemble Learning (Matlab)
- Tweet Sentiment Extraction with Fine-tuning Base Language Models Bert and Roberta (Pytorch, GPU)
- Exploratory Approach for Network Behavior Clustering in LoRaWAN (Python, Jupyter Notebook, Pandas, Numpy, Scikit-Learn)
- Image Filtering and Object Identification (NumPy, Pandas, Jupyter Notebook)
- Design and Implement a High Available and Scalable Virtual Architecture using AWS IaaS Service (Amazon)
- Implementation of ERP system for the Biggest Mall in the Middle East, IRAN MALL, imcc.ir (Python, Odoo)
- E-commerce Website, wegobazaar.com (PHP Laravel)
- House Prices: Advanced Regression Techniques (Kaggle, Python, Linear Regression)
- Statistical Data Quality Analysis of European HEIs Using ETER Database (Python)
- Implementation of a Search Engine of Airbnb Houses (Python)
- An Analysis of Taxis in NYC in order to Help Taxi Drivers in Planning their Movements (Python, Jupyter Notebook)
- Clustering Analysis of House Announcements in Rome (Web Scraping, Clustering)