Rouhollah **Dehghani**

PYTHON · MACHINE LEARNING ENGINEER

Montreal, Canada

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"Be the change that you want to see in your life."

Professional Summary

Machine Learning Engineer with 2 years of experience designing, training, and deploying ML models into production. Skilled in Python, PyTorch, TensorFlow, and Scikit-learn, with a strong foundation in data preprocessing, feature engineering, and model optimization. Experienced in building end-to-end ML pipelines, from data collection to deployment on cloud platforms (AWS/GCP). Passionate about applying ML to solve real-world problems in NLP, computer vision, and predictive analytics, with a proven track record of improving system performance and delivering business impact.

Relevant Experience & Projects

JavanehCode Academy (Remote)   *Tehran, Iran*

JOB TITLE: MACHINE LEARNING PROJECTS – HOSTED ON HUGGING FACE   *Jan. 2023 – Present*

- Designed and deployed machine learning models on Hugging Face Spaces, enabling interactive public demos.
- Built end-to-end ML pipelines for preprocessing, training, evaluation, and deployment using PyTorch and TensorFlow.
- Fine-tuned transformer models (e.g., BERT, DistilBERT) for NLP tasks, improving classification accuracy by up to 10%.
- Implemented version control and CI/CD workflows with Git/GitHub for reproducibility and scalability.
- Applied MLOps tools and cloud deployment practices to optimize model performance and reduce latency.
- Link to Hugging Face ⧉

Hamruyesh Company (Remote)   *Tehran, Iran*

JOB TITLE: DJANGO INSTRUCTOR   *Oct. 2022 - Present*

- Created Django framework course content by example for students.
- Designed the course in six modules: Student App, Advanced Models, Authentication System, Content Management System, Course Registration, and Project Deployment.
- Link to Instructor Page ⧉

key Skills

Python, Numpy, Pandas, PyTorch, TensorFlow/Keras, Scikit-learn, Seaborn, Matplotlib, Hugging Face Spaces
Feature engineering, data cleaning, Django, Django REST framework, Git, Linux, GitHub

Education

Arak University   *Arak, Iran*

MASTER OF SCIENCE IN STRUCTURE ENGINEERING AND BACHELOR OF SCIENCE IN CIVIL ENGINEERING   *Oct. 2008 - Oct. 2014*

Certificates

- Git and GitHub Essentials ⧉
- Programming for Everybody (Getting Started with Python) ⧉
- Certificate of completion for terminal bash vim essentials ⧉

Languages

English

FLUENT IN SPEAKING AND PROFICIENT IN RESEARCH

Deutsch

A2

Persion

<small>Native</small>