

Pouria Nikvand

ML Developer at Tapsell



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As a Certified Python Developer with a proven 4-year journey in the field, I bring a dash of specialized expertise in Machine Learning (ML) and MLOps to the table. My knack for envisioning and executing end-to-end ML solutions is backed by a robust set of analytical and critical thinking skills that fuel innovation. I take a proactive stance, nurturing a strong work ethic.

Personal Information

Age	Gender	Location	Marital Status	Military Service Status
30	Male	Tehran	Single	Not served yet

Education

Bachelor's Degree, Shahid Beheshti University (2016 - 2012)
Master's Degree, Artificial Intelligence, Shahid Beheshti University 3.4 / 4.0 (A) · (2017 - 2020)

Languages

English (Professional Working)
Persian (Native or Bilingual)

Personal Qualities

Energetic, Optimistic, Diligent, Responsible, Adaptable, Punctual, Self-motivated, Confident, Personable, Community Engagement, Presentation Proficiency, Effective Communication, Analytical Thinker, Scrum Methodology Familiarity

Tools and Skills

Python & Web Development		Done several projects and know related tools.	Web Scraping		Done several projects and know related tools.
Advanced			Intermediate		
Git	GitLab	Shell	Flask & Tornado	Prometheus	Scrapy
Advanced	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Natural Language Processing		Done several projects and know related tools.	Language Modeling & LLMs		Done several projects and know related tools.
Advanced			Intermediate		
Predictive Modeling		Done several projects and know related tools.	Data Modeling and Analysis		Done several projects and know related tools.
Advanced			Advanced		
Spacy & Persian NLP Tools		TF & Sklearn	ArgoWorkflow	MLFlow	K8s & Docker
Intermediat		Intermediate	Intermediate	Intermediate	Intermediate
Kafka	Zookeeper	Elasticsearch	K8s & Docker	Grafana	Spark
Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Basic

Experience

Tapsell.

Machine Learning Developer.

Spring 2022 - Present, Iran, Tehran, Jordan St, Anahita Alley, No 23

- Maintenance, monitoring, and support for ongoing NLP projects, involving the use of monitoring tools for review graphs like Grafana.
- Maintenance, monitoring, and support for the ongoing machine learning service project. This entails utilizing tools like Argo Workflow, MLflow, and standard monitoring tools.
- Developing API for online CVR estimation and prediction using trained models with Tornado web framework.
- Developing the primary project focused on designing the machine learning service, including setting up the necessary infrastructure to utilize models created by the data and algorithm team.
- Developing a high-level interface for defining and managing workflows using Argo an Hera Workflow to Construct and submit experimental workflows.

Tapsell.

Natural Language Processing Engineer.

Aug 2021 - May 2022, Iran, Tehran, Jordan St, Anahita Alley, No 23

- Participating in scrapping websites and content extraction based on keyword and content layouts.
- Participating in Topic Detection for ads. suggestion based on user behavior and website contents.
- Developing web services using flask and fastAPI for extracting topics and keywords, which helps in users and costumers panel and also content revenue optimization team.
- Full responsibility for developing API's, testing, deploy and monitoring the projects.

Shaya Smart Solutions.

Natural Language Processing Team Lead.

Jul 2020 - Oct 2021, Iran, Tehran, Azadi St, Akbari St, Ghasemi St, No 68

- Participating in improvement of performance and accuracy for several projects such as Sentiment Analysis, Topic Modeling, NER Detection, and NLP Basic Tools.
- Participating in ASR, OCR Projects.
- Participating in The “Zarebin” Search Engine project in the multimedia part as a senior machine learning developer. Contributing to in Query Expansion, AutoComplete, Spell Checker, Transliteration, and Page Ranking.
- Technical interviewer for NLP and ML developer job positions.

Shaya Smart Solutions.

Machine Learning Developer.

Jan 2020 - Oct 2021, Iran, Tehran, Azadi St, Akbari St, Ghasemi St, No 68

- Participating in fundamental NLP projects.
- Relaunching Sentiment Analysis, Topic Modeling.

Shahid Beheshti University NLP lab.

Lab Manager & Research Assistant.

April 2021 - Dec 2021 , Iran, Tehran, Velenjak St.

- Helping Master students to identify and define a vision for success and create professional growth.
- Developing the required roadmap and strategies for projects in the Lab
- Leading a technical team to achieve related targets.

Shahid Beheshti University NLP lab.

Research Assistant.

Nov 2020 - Dec 2021, Iran, Tehran, Velenjak St.

- Participating in projects such as launching fundamental tools for processing Persian language and also holding events in the field of natural language processing.
- Launching Humor Detection and Dialogue Act Detection Project.
- Participating in “Conversion of informal language to formal language” Project.
- Participate in the maintenance and management of NLP LAB servers.

Shahid Beheshti University.

Teacher Assistant.

Fall-Winter 2019-2020, Iran, Tehran, Velenjak St.

- Teacher Assistant of the "Natural Language Processing" course, Dr. Mehrnoosh Shamsfard, for Ph.D. and MS students.

Shahid Beheshti University.

Teacher Assistant.

Winter-Spring 2019, Iran, Tehran, Velenjak St.

- Teacher Assistant of the "Deep Learning" course, Dr. Mohammad Hadi Bokaei, for Ph.D. and MS students.
- Teaching Python and how to code clean and correctly.
- Teaching basic libraries like numpy, pandas, matplotlib and also deep learning libraries such as TenesorFlow and Keras.

UltraDataGroup

SQL Server Technical Support

June 2016 - October 2017 (1 year 5 months) , Iran, Tehran, Vanak St.

- Participating in the startup and deployment team. Setting up VMware and ESXi in windows server 2008 and 2016.
- Support client datacenter on SQL Server and provide custom changes and reports on Report Server.

Certifications and Publications

Deep Learning Specialization	Coursera Certificate
Version control with git	Coursera Certificate
Advanced Python Programming & Object-Oriented Thinking	https://quera.ir/certificate/BThZsAZC/
Advanced Deep Learning	AI Research institute of PART
+Network	Tehran Institute of Technology
Practical Fundamental Analysis In Stock Market	Tehran Institute of Technology
Principal of Investment Management in Financial Market	Tehran Institute of Technology
Contribution to the AUT-DFG	Amirkabir University of
Participating in The Amirkabir Robotics and Artificial Intelligence Technology Festival	Amirkabir University of Technology - Tehran Polytechnic
Participating in RoboCup IranOpen 2010	Islamic Azad University
Surveying Denitrification Efficacy in Up-Flow Packed Bed Bioreactor Operated under Heterotrophic Condition Using Autotrophic Bacteria (http://jehsd.ssu.ac.ir)	Journal of Environmental Health and Sustainable Development

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