# Ehsan Barkhordar

## Python Developer & Data Scientist

Junior data scientist with a strong programming background and 2+ years of experience using predictive modeling, data processing, data mining, statistics, and machine learning algorithms to solve challenging business problems. Involved in the Python open-source community and passionate about deep reinforcement learning. Skilled in machine learning, statistics, problem-solving, and programming.

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🌐 ehsanbarkhordar.github.io

stackoverflow.com/u/6672114

## WORK EXPERIENCE

### Machine Learning Engineer
Renap

*10/2020 - Present*                                    *Tehran, Iran*

*Achievements/Tasks*
- Develop biotech pipelines

### Developer & DevOps
RUNC International Banking Solutions

*09/2019 - 10/2020*                                    *Tehran, Iran*

*Achievements/Tasks*
- Banking application development

### Data Scientist (Part Time)
Lahze Pardaz Mahan

*03/2020 - 07/2020*                                    *Tehran, Iran*

*Achievements/Tasks*
- Stock market data analysis

### Developer & Data Scientist
Pars Energy System

*02/2019 - 09/2019*                                    *Tehran, Iran*

*Achievements/Tasks*
- Collecting and analyzing diesel engine data

### Back-End Developer
Sadad Informatics Corps

*01/2017 - 02/2019*                                    *Tehran, Iran*

*Achievements/Tasks*
- Working on Bale messenger with 5 million users

### Full Stack Developer Internship
tetraco.ir

*04/2016 - 01/2017*                                    *Tehran, Iran*

*Achievements/Tasks*
- Learning Django,git, HTML, CSS, Bootstrap, Javascript, Ajax

## EDUCATION

### M.Sc. in Computer Science
Amirkabir University of Technology

*10/2018 - Present*                                    *Tehran, Iran*

*Courses*
- area of study: data mining

### B.Sc. in Computer Science
Amirkabir University of Technology

*10/2013 - 06/2017*                                    *Tehran, Iran*

## SKILLS

Python · Django · Django REST · OOP & Design patterns · numpy · scikit-learn · pandas · matplotlib · Keras · Data Cleaning · Data Visualization · Deep Learning · Web Crawling · Clustering Models · Classification · TDD & MVC programming · Multi-Process Architecture · Time Series Databases · PostgreSQL · NoSQL · Docker · Redis · Grafana · Prometheus · HTML-CSS-JavaScript · Git-Gitlab-GitHub · Ubuntu · Unit Testing and CI/CD

## PERSONAL PROJECTS

whistleblowers.ir
- A whistling system to introduce economic corrupters

## ACHIEVEMENTS

Annual Conference on E-Banking and Payment Systems (2019)
*Participation and presentation*

BOT-CUP in Sharif University of Technology (2018)
*Winner*

Topics in Theoretical Computer Science (TTCS) (2015)
*Participation*

Mathematical Congress Young (2012)
*The best article*

Khwarizmi Young Award *Induction immediate Electric Water Heater (2011)
*Award*

Tournament of the Towns (2010)
*Award*

## LANGUAGES

Persian
*Native or Bilingual Proficiency*

English
*Professional Working Proficiency*

## HOBBIES

Travel · Swimming · Shooting · Video games · Mountain climbing · Hunting