

EDUCATION

B.Sc. in Software Engineering

Islamic Azad University , GPA: 3.16/4.00 - 15.73/20

Tehran, Iran

Sep 2015–Jan 2020

RESEARCH INTEREST

- Machine Learning
- Image Processing
- Natural Language Processing
- Time Series Forecasting
- Data Mining

PUBLICATION

A.Nomani, Y.Ansari, M.Nasirpour, A.Masoumian, E.Sadeghi Pour, “**PSOWNNs-CNN: A Computational Radiology for Breast Cancer Diagnosis Improvement Based on Image Processing Using Machine Learning Methods**”, Hindawi journal, Published in May2022, [Link to the article](#)

SELECTED COURSES

- Artificial intelligence and expert systems
- Design of Algorithms
- Principles of Database Design
- Calculus
- Discrete Mathematics
- Statistics

TEACHING EXPERIENCE

- **An Introduction to Formal Languages and Automata** Teaching Assistant Fall 2019
at Islamic Azad University
- **Microprocessors lab** Teaching Assistant Fall 2019
at Islamic Azad University
- **Fundamentals of Database Systems** Teaching Assistant Fall 2020
at Islamic Azad University
 - hold problem-solving sessions with 40-60 participants at a time, and grade assignments
 - Student evaluations throughout the semester
- **Oracle Database 12c: SQL Fundamentals** Instructor Spring 2021
at Islamic Azad University (Student scientific society-Mahersho)
- **Linux fundamentals** Instructor Fall 2020
at Tehran Linux Group(Tehlog)

WORK EXPERIENCE

Web Engineer

Huawei / OSS team

Apr 2020 - Dec 2021

Tehran,Iran

- develop new features for Huawei product using PHP and JS
- analyze, troubleshoot and fix the issues reported on the applications already deployed to the customer
- analyze and automate reports using shell scripting, PL/SQL and PHP

Junior Oracle DBA

Avihang

Feb 2019 - Dec 2019

Tehran,Iran

- provide maintenance support for database systems
- create and maintain PL/SQL queries and shell scripts
- monitor and verify backups and perform ad-hoc backup
- create oracle jobs with python
- install oracle RAC

Web Developer

Idea System Pardaz

Jun 2016 - Aug 2018

Tehran,Iran

- develop web services for Melli bank using PHP YII2 framework, MySQL, JavaScript, CSS.
- design database
- documentation using Visual Paradigm
- develop NLP algorithms for news classification

SKILLS

- **Programming Languages:** PHP, Python3, MATLAB, PL/SQL, GraphQL, Javascript, Familiar with Julia, Familiar with C++
- **Databases:** Oracle, MySQL, MongoDB
- **Python Libraries:** Pandas, NumPy, Scikit-learn, Matplotlib, TensorFlow
- **Operating Systems:** Windows, Linux
- **Web Design:** HTML5, CSS3, Bootstrap, Familiar with React
- **Development Tools:** PhpStorm, PyCharm, Jupyter Notebook, Visual Studio
- **Version Control Systems:** Git and GitHub, GitLab, Bitbucket
- **Frameworks:** YII2, Laravel, Apollo
- **Other Skills:** Used Scrum Agile Methodology in my work (Daily Scrum Meeting, Planning Poker, Sprint Backlog, 1on1 meeting), Technical analysis

LANGUAGE SKILLS

- **English:** Fluent
- **IELTS:** Overall:7 Listening:8 Speaking:7 Reading:7.5 Writing: 6 (November 2021)
- **GRE:** Overall:332.5 Quantitative: 170 Verbal: 158 (January 2022)
- **Farsi:** Native

SELECTED PROJECTS

Bank insurance assistance web service(JAFAM)

This portal implemented with PHP YII2 framework and MySQL.

user authentication, prescription data collection, health center management, send and receive data with main server and generate some reports are the main parts of the JAFAM portal.

Bank's internal news keyword generation and clustering

This project developed as a module for JAFAM webservice to classify bank's internal news for employees.

This module implemented using Python.

Steps consist of tokenization, normalization, omitting stop-words, generate keywords using TF-IDF algorithm and finally use K-means algorithm

Oracle GoldenGate contradiction test

This test implemented with Python and PL/SQL.

Compare GoldenGate results with real data obtained from databases directly due to GoldenGate failure in generating accurate report in former versions of database.

Create alert in case of contradiction and send automated reports are the main features

Database Converter

Converting Microsoft SQL Server databases to Oracle databases using Oracle Database Gateways and Open Database Connectivity (ODBC) to reduce maintenance cost;

moving database schema changes from staging to production;

using Oracle backup utility RMAN to implement Oracle backup and performed media recovery;

CERTIFICATES

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|---|--------------------------------|
| • Machine Learning | Coursera |
| • Julia Scientific Programming | Coursera |
| • Oracle Database 12c: Administration Workshop | Asre Danesh Afzar |
| • Oracle Database 11g: SQL Fundamentals | Asre Danesh Afzar |
| • Linux network professional (LPIC-2) | Fanavaran Anisa |
| • Linux server professional (Lpic-1) | Fanavaran Anisa |
| • PHP MYSQL Web Development | Tehran Institute of Technology |

EXTRACURRICULAR ACTIVITIES

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|---|--------------|
| • Member Of student scientific society (Mahersho) at Islamic Azad University | 2021–Current |
| Teaching Oracle Database 12c: SQL Fundamentals | |
| • Member at Tehran Linux Group | 2019–Current |
| Having monthly meetings about any related subject to Linux and open source software | |
| Teaching Linux fundamentals to beginners | |
| Trying to spread open source spirit | |

REFERENCES

Available upon requests