Ali Soltani Nezhad

Backend Developer/Data Scientist

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Work experience

Software Engineer - Backend Developer
2019-01 - Present

Asr Gooyesh Pardaz - Tehran, Iran

- Romand Chatbot Web/Backend Technical Lead

- Linux Server Administration and Management

Data Analyst
2017-07 - 2019-09

Shiraz University

Deep Learning, Sentiment Classification

BI SQL Developer
2017-07 - 2018-01

Shiraz University

Business Intelligence Project

Freelance Software Developer
2012-01 - Present

Self-employed

Freelance Software Developer

Education

MSc.
2016 - 2019

Shiraz University

Computer Software Engineering

B.Eng
2012 - 2016

Hamadan University of Technology

Computer Hardware Engineering

Other Skills

Deep Learning

- worked with multiple models

- Currently working on RNN and CNNs with attention layers.

Linux Administration and Maintenance

Finished LPIC-1 Course from South Industrial Management Institute (Iran) (simi.ir)

License No. 2747-8328-4852-2155

Unity 2D Game Development

C# Scripting

Finished multiple courses on game development using Unity.

Programming Skills

Python - Django

- Experienced Django Developer

- Design and Implement REST APIs

- Database Design

- Keras-Pandas-...

C/C++

Multi-threaded Programming

Cryptography

OpenMP/MPI

Meta-heuristic algorithms

SQL and Data Extraction

Business Intelligence SQL Development Experience (6 mo.)

C#

Game Scripting in Unity

Windows app development

Java

Android Development

Core Java Development

Technologies

- Django

- REST APIs

- Deep Learning

- Keras

- Apache Zeppelin

- Apache Spark

- Apache Hadoop/HDFS

- Apache Storm

- Apache YARN

- MapReduce

Cryptography

I have implemented multiple programs to break one-time padding and vigenere cipher using C (they had some constraints to make them breakable)

Android Development (Java)

AVR - Codevision C

ATMega16-32 C Programming

Html/CSS

http://alisoltani.ir

- RDDs
- Apache Mesos
- Apache NiFi

Languages

English

Fluent (Native)

I've been studying English from my early childhood up until now and I have work experience in the Tourism Industry.

Portfolio

- As for my MS project I've worked on Sentiment Analysis on Text Data from Social Networks. In this project, I've used Deep Learning to train a classifier. In these couple of years I've studied and worked with different BigData handling and processing systems like Apache Hadoop, Apache Spark, Apache Zeppelin and I have experience working as a Business Intelligence SQL developer for 6 months. I also Studied Text Mining, Neural Networks, Multithreaded and Multiprocessor application development, Advanced Algorithms and Software Architecture.

 I've also implemented multiple Meta-heuristic algorithms in C++ for the OPHS Problem (available on my GitHub).

- In my Bachelor years I was much into Cryptography and I loved the mathematics and probabilities that we had to work with to encrypt/decrypt data. I passed a Cryptography course on Coursera.org taught by prof. Jonathan Katz, which was from the University of Maryland. I've also built a small AVR module that could be integrated into other devices to do stuff based on the temperature of that place. I also made two games as course projects, one was a simple game like tic-tac-toe using BGI in C, and the other one I made using Handles in C++ to deliver a multithreaded score, game and time system to the user.

- As for my BS project, I developed a chat application for android using Java. (available on my GitHub).

- I have also implemented two algorithms to break one-time padding and Vigenere cipher encryption algorithms with few constraints (available on my GitHub). In the case of one-time padding, the constraints where a must to make the breaking possible.

- I've also made a 2D Endless Runner game using Unity (available on my GitHub).