# Pouyan Nahed

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## EDUCATION

### UNIVERSITY OF NEVADA, LAS VEGAS
Computer Science PhD
Jan 2020 - Present | Las Vegas, NV
Relevant Coursework:
- Introduction to Data Mining
- Analysis of Algorithms

Cum. GPA: 4.0 / 4.0
Honors: UNLV The Access Grant - Fall 2020

### UNIVERSITY OF GUILAN
BS in Computer Engineering
Graduated Aug 2018 | Rasht, Iran
Relevant Coursework:
- Introduction to Natural Language Processing
- Introduction to Computer Vision
- Artificial Intelligence

## SKILLS

### PROGRAMMING
Proficient with:
Java • Python • Android • Git
Familiar with:
C/C++ • MySQL • Shell • Linux

### MACHINE LEARNING
Proficient with:
Keras • Pandas • NumPy • Seaborn • Scikit-Learn
Familiar:
Pytorch • Tensorflow • Spark

## EXPERIENCE

### UNIVERSITY OF NEVADA, LAS VEGAS
Research Assistant
Jan 2021 - Present | Las Vegas, NV
- Building a platform using the Django framework to keep track of Alzheimer's Disease trials that are submitted on the **clinicaltrials.gov**.
- Training different Deep Neural Networks to find the named entities inside of trials description and filling the missing values of the database using these entities.

### UNIVERSITY OF NEVADA, LAS VEGAS
Teaching Assistant
Jan 2020 - Jan 2021 | Las Vegas, NV
- Worked as a Teaching Assistant for several courses: CS477 (Analysis of Algorithms), CS302 (Data Structures), CS456 (Automata and Formal Languages) and CS202 Computer Science II.

## PROJECTS

### DEEP FLAPPY BIRD | Github
Feb 2021 | Las Vegas, United States
- An implementation of Deep Reinforcement Learning to train an agent play Flappy Bird game.
- Created an custom environment using OpenAI Gym framework and use it to for states and actions in order to train the model.
- Implemented an Deep Neural Network model using Pytroch framework in Python language.

### PERSIAN SENTIMENT ANALYSIS | Github
Mar 2019 | Rasht, Iran
- Built a model for Persian language to predict whether a customer recommends a product or not based on their reviews. The accuracy of model reached up to 84%.
- Implemented a Bidirectional LSTM classifier using Keras API and the GloVe used for the word embeddings.
- The model trained on Digikala Open Data which is a dataset of an online shopping market that contains reviews of different products.

### SPAM SMS DETECTOR | Github
Aug 2018 | Rasht, Iran
- Built a model to classify the messages into spam and nonspam categories with accuracy of up to 92%.
- Implemented using SVM algorithm and TF-IDF features extracted by Scikit-Learn.
- Implemented an Android application to ask users, label the messages from their phones in order to create a dataset.

### GANJOOR SCRAPPER | Github
Feb 2018 | Rasht, Iran
- Built a crawler to extract the poems from Ganjoor website and store them in different categories based on their poets.
- Implemented using Scrapy framework and used to crawl about 50,000 poems.

### MULTIPLAYER MATCH MEMORY GAME | Github
Winter 2015 | Rasht, Iran
- A simple image matching memory game as final project of Advanced Programming class.
- Implemented using Java and Swing in order to create the UI.
- Implemented a socket network connection for communicating with other players to share the high scores.

## RESEARCH

### CLINICAL TEXT CLASSIFICATION OF ALZHEIMER'S DRUGS' MECHANISM OF ACTION | Researcher
Oct 2020 – Jan 2021 | Las Vegas United States
Worked with **Dr. Kazem Taghva** to predict the the Mechanism of Action of Drugs based on their textual description. This paper is submitted to **ICICT 2021** Conference and it is accepted.