

Raveena Kshatriya

raveenak96@gmail.com • Portfolio: raveenak96.github.io • GitHub: github.com/raveenak96

EDUCATION

University of Southern California

Dec 2021

Master's in Computer Science – Artificial Intelligence Concentration

GPA: 4.0

University of North Carolina at Chapel Hill

May 2018

Bachelor's – Double Major in Computer Science and Mathematics

GPA: 3.63

TECHNICAL SKILLS

Python • SQL • C# • Java • JavaScript • AngularJS/12 • MATLAB • C • Android Studio • Jenkins • GCP

ML Libraries: scikit-learn, TensorFlow, Keras, NLTK, OpenCV, Pandas and NumPy.

EXPERIENCE

LinkedIn

May-Aug 2021

Machine Learning Engineer Intern

- Developed strategies to improve the performance of a deep neural network model used in ranking content that appears on LinkedIn's main feed
- Experimented with reducing class imbalance in a multi-task model resulting in 2% AUC metric gains
- Trained deep neural network models using large scale datasets on a Hadoop cluster, employing a distributed ML pipeline framework

Mozilla

June-Aug 2020

Machine Learning Intern

- Implemented clustering algorithms to detect subtopics for recommended articles on Pocket, Mozilla's read-it-later service
- Clustered articles based on TF-IDF features generated from article content
- Developed a workflow for predicting the subtopic for unseen articles using Doc2Vec embeddings and the K-Nearest Neighbors Classifier
- Worked with Pocket's editorial and product teams to determine deployment strategies and most relevant subtopics

American International Group (AIG)

July 2018-Dec 2019

Technology Analyst – Software Development

- Developed a Convolutional Neural Network model for predicting fraudulent insurance claims based on claim descriptions
- Worked with various text feature representations including Glove and Word2Vec word embeddings and TF-IDF features
- Designed and developed enhancements to applications used to monitor AIG's securities using C#, AngularJS and the .NET framework

PROJECTS

Movie Recommendation System

July 2019

- Trained a collaborative filtering movie recommendation algorithm capable of predicting movie ratings for individual users

Spearpunk Tower Defense Game

Aug 2020

- Trained an AI agent to play a tower defense game using Q learning reinforcement learning
- The agent aided in evaluating the quality of automatically generated tower defense levels created using GANs

Sentiment Analysis of Tweets on the 2nd Democratic Primary Debate

Sept 2019

- Trained a Recurrent Neural Network for classifying sentiment on tweets about politics with 83% accuracy

Chatbot for Stack Overflow Questions

May 2019

- Created a chatbot that can answer common computer science questions using Stack Overflow threads and converse generally with a user