VIJAYANTIKA INKULLA

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EDUCATION:

Masters in Science - Computer Science | Data Science   May 2021
University of Southern California, Viterbi School of Engineering
GPA: 3.5
Courses: Analysis of Algorithms, Foundations of Artificial Intelligence, Machine Learning for Data Science, Database Systems, Deep Learning, Multimedia Systems.

Bachelors in Engineering, Computer Science Engineering   August 2015-June 2019
Osmania University, Hyderabad
GPA: 9.5 on 10
Academic course work: Data Structures, Design and Analysis of Algorithms, Artificial Intelligence, DBMS, Data Mining, Web Technology, Computer Networks, Information Retrieval System, Operating Systems etc.

Certifications: Complete Data Science Bootcamp 2020 (Udemy), Complete Web Development course 2020(Udemy).

SKILLS:

Programming Languages : Python, JavaScript, C and C++, HTML, CSS, Java, R, SQL.
Tools/frameworks: React, Node.js, Bootstrap, Pandas, Numpy, Scikit-learn, Tensorflow, Keras, Git, GitHub
Databases: MySQL, MongoDB.

EXPERIENCE:

Astute Business Solutions Pvt. Ltd.   June 2018-September 2018
Data intern
• Closely analyzed their proprietary open source ERP application "OpeneCampus" catering to clients in education vertical and enables educational institutions to capture, retain and analyze data for continuous improvement and meeting compliance audits for accreditation..
• Data analysis involved a thorough understanding of Data Science, ML and Al.

PROJECTS:

Neuro-Imaging with Deep Learning: May 2020-July2020
• Predicting brain age from the Electroencephalogram of sleep. Initial work using regression model. Worked on Graphical Neural network(LSTM and CNN).

Sentiment Analysis Project: April 2020-May 2020
• Identify sentiment of a tweet and extract corresponding phrase.
• Extracting sentiment by training on given data and using ensemble learning model that utilizes random forest classifiers, Naive Bayes classifiers, SVM and Multi-layer perceptrons. Features obtained using Term Frequency-Inverse Document Frequency. K-Means used to identify clusters with positive, negative and neutral sentiments.

Machine Learning: January 2020-May 2020
• Implemented SVM(Quadratic Programming Solver) to classify linear and non-linear separable data points.
• Trained feed-forward neural nets using back-propagation algorithm to predict images.
• Executed Linear and Logistic Regressions to classify data points, PCA and FastMap to reduce dimensionality of given data points, employed Gaussian Mixture Models.

Artificial Intelligence: August 2019-November 2019
• Designed game playing agent using alpha-beta pruning, programmed an agent to perform proof by resolution with 80% accuracy over 50 test cases.
• Done using Python.

Smart Attendance Management System: August 2018-April 2019
• Accomplished a Smarter Attendance Marking and Management based on Machine Learning Face Recognition algorithms. Helps reduce manual attendance work for teachers and generates reports on students' regularity to college.
• Done using Python. Funded for implementation in under-graduation college (MJCET, Hyderabad).

Voice Controlled Home Automation: September 2017-December 2017
• Arduino/IoT based project on Home Automation by voice (and also proximity sensors).
• Control home appliances by click of a button on phone or by a voice command.