RAVALI GAMPA

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ACADEMIC DETAILS

Master of Science in Computer Science	GPA:3.7
California State University, Sacramento	Dec 2018
Bachelor of Engineering in Information Technology	GPA:3.89
Osmania University, India	June 2016

RELATED COURSEWORK

Algorithms and Paradigms, Design and Analysis of Algorithms, Machine learning, Artificial Intelligence Software Requirements and Analysis, Human Computer Interface Design, Object oriented system development, Data models in the Databases, Web Technologies, C and Data Structures, Data Warehousing and Data Mining, Computer Systems Structure, Advance Operating Systems and Principles and Design, Information security, Computer Networks

EXPERINCE

Teacher Assistant January 2017-Present.
In California State University, Sacramento for Data Structures and Algorithms analysis (CSC 130)

TECHINCAL PROFICIENCY

Programming Languages	: C, C++, Python, R, Java
Data Bases	: MySQL, Oracle
Web Technologies	: HTML5, CSS, AngularJS, Node JS, Bootstrap, XML (Full Stack Web development)
Scripting Languages	: PHP, JavaScript
Operating Systems	: Linux, Windows, Ubuntu
Tools Used	: Eclipse, Oracle 9i, MySQL, VMware, R-Studio, GNU debugger, Bower, Brackets, PyQt, Keras, Tensor flow, DEAP, Jupyter, NumPy, Hadoop, Spark, Trifacta Wrangler.

PROJECT PROFILE

- **Human Resource Analysis using Machine Learning Algorithms:** Implemented using R-studio and Weka, to analyze the dataset and conclude the possible factors responsible for an employee to quit their job. Techniques like logistic regression, SVM, decision trees, Random forests are applied.
- **Training a Recurrent Deep Neural Networks using genetic algorithm:** Implemented using Tensor flow, Keras, DEAP to train networks with genetic algorithms and obtained the suitable architecture for the chosen dataset. Then results were tested with various parameters of the genetic algorithms.
- **Genre Classification of movie dataset:** Classified the movies based on genre using actors, move title, release data and rating of movie of a movie dataset. This dataset was formed by scraping IMDB and TMDB datasets. Preprocessing was a toughest part due to lot of categorical attributes. Random forest with impact encoding gave the best results to obtain the genre. Implemented in Jupyter using Python.
- **Investigating Existing Analytic Tools to Design an Integrated Visual Analytic Tool to Aid Classwork Assessment: (Developing Stage):** Objective is to develop a visual tool from a classroom data and to obtain conclusions from these tools which can be helpful in concluding about the performance of the class. Investigated tools like Trifacta Wrangler, Google openRefine, Orange, Knime, D3.js, Apache Spark, Zeppelin, RapidMiner.
- **Emotional Needs Analysis:** Worked with the client from VSP Global to discover an effective way of approaching requirement elicitation process using HCD (Human Centered Design) to improve software project outcome considering various software engineering processes.
- **Time-Table Generator :** It is a project implemented using CSS, PHP HTML and MYSQL. It allowed the institutions to schedule their time table.
- **Placement Portal, A Windows 8.1 Mobile Application:** It was built for students, Job seekers, to access Multinational company's information, their pay scales and it even had some interview tips and preparatory guide for technical topics.
- **100-Year Calendar :** Implemented in C environment. It had the abilities like to see the date and month as usual calendar, to find out day corresponding to given date, to display a month, to find out whether a given year is leap year or not, to find out the leap years in each range.

SCHOLASTIC ACHIEVEMENTS

- Stood among the top 3% and was awarded merit certificate during my under graduation.
- Secured rank in top 5% in 100k Engineering Common Entrance Test participants.