Priyanka Reddy

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Objective

Looking for Opportunities with statistical knowledge and the ability to identify fine points of data in a sea of information. Well-versed in spreadsheets, statistics, and scientific research. Able to process new data quickly and communicate it effectively to lay individuals.

Education

Southern New Hampshire University   **Manchester, NH**

Master of Science in information Technology   Expected: Feb,2018

GPA: 3.888/4.00

Coursework: programming with python, programming with R, Analyzing and visualizing data using Tableau , Presentation and visualization methods, Decision methods and modelling, Object oriented programming, Database design and principles, Data Structures and Algorithms.

Vellore Institute of Technology   **Vellore, TN, INDIA**

Bachelors of science in electronics and communication engineering   May 2014

GPA: 3.68/4.00

Technical Skills

Languages	:	C| Java| Python | R
Scripting Languages	:	JavaScript, HTML, CSS
Operating Systems	:	Windows, Linux
Packages Known	:	R Studio| MATLAB | Qlikview | Power BI| Tableau | Rapid Miner | Visual Studio | NetBeans | Wireshark| QTP|
Skills	:	Statistical and Qualitative Analysis | Data mining models | Data visualization| Algorithm modelling

Projects

Extracting and correlating vaccination statistics to help the hospital develop a vaccination policy using Tableau

Used Trend Line, to identify correlation between patient's age, gender and risk exposure percentages to certain diseases. Developed visualizations using Bar, Line, Pie, Map objects and various other graphs for hospital management, healthcare workers interacting with families, and the public. Designed Dashboard and Stories focusing on the audiences needs and knowledge level

Predictive Analytics to enhance the effectiveness of Marketing using R

Performed Data Preparation and Data Munging Tasks. Build a predictive model to determine the timing of purchase of a new eReader by the registered customers. Applied Decision Tree with Pruning techniques and Random Forest algorithms in R and chose the best approach with less error rate.

Quiz Management System

Developed a quiz management system that allows professors to create, test and analyze students' performance. It also allows students to practice and take the tests while providing reports based on their performance. Used JavaFX for user interface and JDBC to store and access information.

Collision Avoidance Using UWB Sensors

Built a vehicle model hardware kit with UWB sensors, power supply and ADC units. Programmed PIC microcontroller using C on micro C development IDE to control the vehicle, and used MATLAB to convert raw signals to analog signals.

Health Information Management System

Implemented object oriented analysis techniques to analyze, design and manage information system. Applied visual representations of design of information system based on SDLC. Technical Evaluation of an Operating System: Developed techniques for process and thread management, scheduling, inter process communication and synchronization. Implemented techniques for memory management to enable application execution and created file systems and device management techniques for the data management.

Professional Experience

Trainee| ECIL (Electronics Corporation of India LTD) | May 2012 – Jun 2012
- Worked with Network engineers to research on DIM, DOM, AIM, AOM & Control of nuclear reactor.
- Assisted to research on product development in Information and Telecommunication department.

Extra-Circular Activities
- Awarded a rajyapuraskar certificate for scouts and guide team in India for assisting and helping people regarding cleanliness, discipline.
- Coordinator for Disciplinary committee, reception committee in Riviera 2012,2013,2014(Tech fest of VIT).
- Committee member of IE-I(Institute of Engineers India) and ISA(International Society of Automation).