DATA ANALYST AND BI DEVELOPER

Qualifications

- JAVA, JSP, C++, C, Python, R. HTML5, CSS, XML.
- Scripting Languages

- JavaScript, jQuery.
- BI Reporting Tools

- Tableau, Informatica, QlikView, MS Excel, Spotfire, Orange, WEKA, SAS.
- Database

- SQL, DB2, ORACLE, Postgres.
- Frameworks

- Struts 2, Spring.
- Web/Application server

- JBoss Application server, Tomcat Web Server.
- Big Data Platform

- Hadoop, HAWQ, Greenplum, Hive
- IDE/Version control Tools

- Eclipse, Net Beans, Github.
- OS

- Windows XP/7/8, UNIX, Linux.
- Other Tools

- RFT, MS Visio, Pencil.

Work Experience

06/2015 to Current
Data Analyst and BI Developer Bickford Senior Living

- Developing big data solutions in Teradata, Greenplum, HAWQ.
- Organizing, creating, and analyzing large data to find value or opportunities for improvement.
- Designing web applications by embedding SQL queries to XML, troubleshooting and debugging it.
- Performing Data Quality checks, generating and analyzing Spotfire reports.
- Developing queries, creating tables, running functions to address user issues.
- Technical writer for RDF DB and maintaining the confluence page.

05/2014 to 08/2014
Data Analyst and BI Developer Tata Consultancy Services

- Focused on visual analytics using Tableau.
- Understanding the current Business Intelligence offerings and creating high performance reports.
- Performing various operations using SQL.
- Worked closely with the various Keurig products team and supported dashboard optimization, data connections, Tableau administration.
- Client- GE Power and Water: Data Analyst and BI Developer.
- Generating reports for full product analysis in Tableau and Spotfire.
- Data Visualization and Data Staging using QlikView and Informatica.
- Querying the database and performing insert and join operations using SQL.
- Analyzing and interpreting trends for product placement.
- Migrating reports from Spotfire to Tableau and validating the data in Data Lake.
- Training: Underwent Cloudera Hadoop training for MapReduce API.
- MapReduce job that reads any text input and computes the average length of all words that start with each character.
- Analyzed a log file from a web server to count the number of hits made from each unique IP address.
- Imported data from a relational database using Sqoop and manipulated the data with Hive Capstone Project: completed a capstone project that focused on Business Analysis, Project Management, Data Analysis, Data Quality, and Analytics for a retail motorcycle company.
- Worked in a team to plan, design and create a BIM solution in two weeks.
- In depth ETL and DQ working sessions with Informatica.
- Data Visualization experience within Tableau and Qlikview.
- TCS iON is a cloud based ERP that provides IT solution for small and medium business.
- Built a system to provide statistical analysis of usage, events and business analytics applying big data tools.

- Workflow design and analysis of usage and log information.
- Implemented Hadoop MapReduce to analyze logs and generate various event metrics.
- Performed Statistical Analysis using WEKA to classify the events.
- Segregation, legitimate events, fraud detections).

12/2012 to 03/2013
Tata Consultancy Services

- Reengineering of internal flight schedule systems for Singapore airlines.
- Created integrated data view for flight schedule linking other vendor systems.
- Modified the database to accommodate for the dynamically varying datasets and to retrieve aircraft sector details.
- Analyzed statistics on actual flight operational data in comparison with estimates as a graphical representation.
- Created and validated test cases.
- Academic Achievements Research and Projects: Rule Generation for Datasets with Ordinal Class Attributes.
- Developed and deployed modern machine learning for finding patterns in large data sets, such as C4.5, CN2 etc.
- Intrusion Detection System Employing Data Mining Techniques.
- Generated Conditional Probability Table and Confusion Matrix using R Programming.
- Application Safety Enhancement Model Using Self Checking with Software Enzymes, International Conference on Software and Computing Technology (ICSCT 2011).
- Proposed a safety enhancement model for application software in accelerating the respective self-checking strategies similar to bio enzymatic actions.
- Data Warehousing & Mining project.
- Designed a decision tree using Java on Hadoop for Poker-data.
- Implemented MapReduce for identifying the entropy that used parallel and distributed algorithm.
- Comparison of SAW ARQ and GBN ARQ.
- Implemented and compared SAW ARQ and Go-Back-N ARQ scheme.
- Used java applet for simulation.
- Bus route Network.
- Implemented Dijkstra's algorithm to find the shortest path.
- Used DB2 to create database table for bus routes.
- Airline Traffic Tracking System.
- Developed a dynamic web page to display the flight schedules for station users.
- Issue Tracking System.
- Developed an Issue Tracking System that handles support and maintenance projects for its clients.

Education and Training
Dec 2015
Masters : Computer Science University of Cincinnati ï¼ State , USA. Computer Science 3.89/4.0 Recipient of University Graduate Scholarship. Data Warehousing & Mining, Intelligent Data Analysis, Information Retrieval User Interface, Advanced Algorithms, Wireless and Mobile Networks.
May 2013
Bachelors of Technology : Information Technology Anna University India Information Technology 3.7/4.0
Interests
IBM certified academic associate DB2. *IBM certified solution designer Rational Functional Tester for Java. *Participated in 361-degree mind conducted by IBM. Extra-Curricular Activities *Participated in school level basketball matches. *Professional dancer trained in Bharathanatiyam, awarded with prestigious "Nritya Kala Bhushan". *Active National Service Scheme and Rotaract Club volunteer.
Skills
Academic, product analysis, API, big data, Business Analysis, BI, Business Intelligence, C, C++, CSS, Client, clients, Version control, Data Analyst, Data Analysis, Data Mining, Data Visualization, Database, Data Warehousing, debugging, Designing, Eclipse, ERP, ETL, XML, HTML5, DB2, IDE, Informatica, IP, Java, JSP, Beans, JavaScript, JBoss, jQuery, Linux, machine learning, MS Excel, Windows XP, Network, Networks, OS, optimization, ORACLE, DB, Developer, Organizing, page, Pencil, Postgres, Programming, Project Management, Python, Quality, Reengineering, relational database, Reporting, Research, retail, Safety, SAS, scheme, Scripting, simulation, SQL, Statistical Analysis, statistics, Struts 2, Tableau, tables, Technical writer, Teradata, Tomcat, troubleshooting, unique, UNIX, User Interface, view, Visio, web applications, Web Server, web page, Workflow
Additional Information

- Additional Qualification *IBM certified academic associate DB2. *IBM certified solution designer Rational Functional Tester for Java. *Participated in 361-degree mind conducted by IBM. Extra-Curricular Activities *Participated in school level basketball matches. *Professional dancer trained in Bharathanatiyam, awarded with prestigious "Nritya Kala Bhushan". *Active National Service Scheme and Rotaract Club volunteer.