RAKESH HARISH

linkedin.com/in/hrakesh

rakeshharish92@gmail.com
+1 704 904 2392

EDUCATION

Masters in Computer Science (Data Science specialization)	**GPA: 3.9**	**(January 2017 – May 2018)**
University of North Carolina at Charlotte, NC, USA		
Bachelor of Engineering in Electronics & Communication	**GPA: 3.5**	**(September 2010 – June 2014)**
Visvesvaraya Technological University, Bangalore, India		

TECHNICAL SKILLS

Programming:	Python, R, JavaScript, D3.js, PHP, HTML5, CSS3, SQL
Databases:	Oracle, MySQL, Sybase IQ, MS SQL Server, DB2, Hadoop/Hive, Kognitio, IBM Netezza
Analytics and Reporting Tools:	Hadoop, Spark, AWS, ETL, IBM Cognos BI, Looker, SAS, Tableau, Power BI, Aginity, SAP BO
ML Modeling Techniques:	Supervised learning (linear regression, logistic regression, Naive Bayes classifier, KNN, Decision trees, random forests, SVM), Unsupervised learning (kmeans, kmodes, hierarchical clustering), Association rules - data mining, Descriptive and Predictive modeling

EXPERIENCE

1. **Atrium Health (Charlotte, NC)** – Data Analyst - BI & Strategic Analytics   **(September 2018 – present)**
   - Responsible for ensuring a successful implementation of claims-based market analysis tool suite and integration of analytics with other State and internal market data.
   - Assist with data cleansing, audits and establishment of appropriate business rules to apply to ensure analytic functionality.
   - Synthesize disparate, complex datasets to determine strategic growth opportunities, assess provider leakage, and impact of market dynamic changes for the System's primary and regional markets.
   - Design and develop reporting mechanism to share with service line and senior leadership, to include, but not limited to dashboards in Microsoft Power BI, Tableau and SAS Enterprise Guide.
   - Tools & Technologies: Python, R, IBM Netezza, SQL Server, SAP BO, Power BI, Tableau, SAS, McKesson Performance Analytics

2. **Inmar Inc. (Winston-Salem, NC)** – Data Analytics Analyst (Intern)   **(January 2018 – May 2018)**
   - Create and implement predictive response models and data visualization dashboards for Retail and Manufacturing clients.
   - Analysis of raw data and provide necessary data cleansing, statistical analysis, and insights on the data through reporting solutions which included Key Performance reports for Sales Analysis, Market Penetration and Coupon Promotion Analysis.
   - Tools & Technologies: R, Python, Tableau, Kognitio, Hadoop, Hive, PostgreSQL, MySQL.

3. **Hewlett Packard Enterprise (Bangalore, India)** – Data Engineer, Services Info Development   **(November 2014 – December 2016)**
   - Design, develop, implement, and maintain dimensional data models and BI workflows and reporting solutions for a heterogeneous clientele distributed over Americas, EMEA & APAC.
   - Requirements gathering, impact analysis, develop BI prototypes and involve with presales/sales; implement & deploy OLAP Data Marts to production. Sales/Market data analysis; responsible in developing, UAT, delivery, support and prepare technical document.
   - Strategize and execute the deep root analysis of the application identifying bottlenecks and suggesting improvisation.
   - Technologies used: Cognos BI, Informatica, Sybase IQ, SQL Server, IBM DB2, Tableau, R, Python, Shiny, Matplotlib, ggplot2.

ACADEMIC PROJECTS

1. **Healthcare Data Analysis on PIMA Indian Diabetes Database:** Applied various data analysis techniques, created visualizations and interpreted the models to explain the reason for high diabetic outcome among the PIMA Indian women. Performed exploratory data analysis, built supervised models and predictive models. Languages and tools used: R Programming, R Studio, WEKA and Tableau.
2. **User Reviews analysis:** Applied textual analysis for subjective/sentimental remarks and inferred their statistical equivalence using machine learning algorithms. The goal of the project is to predict the rating of a product based on reviews, so that a user can decide whether to buy the product or not just looking at ratings instead of reading all the reviews using Python and Tableau.
3. **Human Resource Analytics:** A Scrum/Agile project to develop an HR tool – a recommender system using Machine-learning techniques that can possibly categorize employees' risk of leaving. This can help the internal structure of the company to assess the risk of talented people quitting. Languages and tools used: Python, PyCharm, Advance Excel and Tableau.
4. **Database design and implementation of an Internet Bookstore:** Developed a DB for a local bookstore and designed a simple UI/website for browsing through the books, orders and customer information using PHP, HTML5, CSS3, MySQL.
5. **Data storytelling:** Analyzed the operations data and developed data visualizations dashboards for a manufacturing and a retail company data. The Tableau dashboard was embedded in a website developed using Bootstrap.
6. **Forest cover type prediction using PySpark:** The objective of this project is to build a predictive model to predict and classify the forest cover type (the predominant kind of tree cover) from strictly cartographic variables using supervised Machine Learning algorithms from scratch in Cloud computing environment. Languages and tools used: Python, Spark, Bootstrap.

ACHIEVEMENTS AND CERTIFICATIONS

- IBM Certified Developer - Cognos 10 BI OLAP Models and IBM Certified Designer - Cognos 10 BI Reports.
- ITIL V3 Intermediate - IT Service Operations, and Scrum Fundamentals Certified.
- **'HPE – Wall of Fame'** award - February 2016; **'HP/HPE Making a Difference'** award four times in the year 2015/2016.