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# Sindhu Manjunath

Data Analyst & Business Analyst

[sindhubm93@gmail.com](mailto:sindhubm93@gmail.com) | (469) 380-5014 | [linkedin.com/in/sindhu-b-m/](https://www.linkedin.com/in/sindhu-b-m/)

**TECHNICAL SKILLS**

***Programming:*** R, Python (Dplyr, NumPy, Pandas), JavaScript, HTML, CSS, SQL

***Visualization tools:*** Tableau, Amazon QuickSight, Microsoft PowerBI, Spotfire

***Databases:*** MSSQL, SQL Server, NoSQL, Oracle, Hadoop

***Analytical tools:*** R Studio, Advanced Microsoft Excel (Vlookup, Pivot tables), SSDT, SSRS

***Agile tools:***Microsoft Project, Microsoft Office, AEM, JIRA, Kanban, SimAgile

***Certifications:***[R by DataCamp](https://www.datacamp.com/statement-of-accomplishment/course/5d2eeaa86c2114e25c6d6723fde77f10f5c8ee52), [Tableau for Data Science SuperDataScience](https://media-exp1.licdn.com/media-proxy/ext?w=800&h=800&f=n&hash=6KN78WxYfa6nCBX9OHvAl4YMZhQ%3D&ora=1%2CaFBCTXdkRmpGL2lvQUFBPQ%2CxAVta5g-0R6jnhodx1Ey9KGTqAGj6E5DQJHUA3L0CHH05IbfPWi7L8_dK7agoEAWKSoGjQBmfO21STDjG461eInuL9pyi8HiJMT5agYUbhl4j3lK6w), Google Analytics

***Key Competencies:*** SCRUM/Agile, Data Analytics, Statistical Data Analysis, Python Sentiment Analysis, Text Mining, Data Wrangling, Data mining, Data Intuition, Data Visualization, Data warehouses/Data marts, ETL, AB Testing, Linear programming, Optimization, Business Strategy and Analysis, Product Management, Competitor Analysis, Project Management, SAFe

**WORK EXPERIENCE**

**Product Engineering/ Data Analytics Intern -** Skyworks Solutions Inc., Irvine, California **Feb 2020 – May 2020**

• Performed data retrieval, data crunching and data analysis using TIBCO Exensio on tools and processes used for yield management

• Analyzed data to understand process capabilities, Statistical Process Control charts (Pareto charts, Histograms, Box plots, Wafer maps)

• Trained Product Engineers on Exensio for a week in Skyworks Woburn, MA and gave multiple virtual training sessions to other locations

**Data Science Intern -** Scout Energy Partners, Dallas, Texas **June 2019 - Aug 2019**

• Querying and manipulating large datasets using SQL to generate SSRS Reports and BI dashboards using SSDT, PowerBI and Tableau

• Master Data Management for Operations and Accounting groups which improved efficiency to derive data by atleast 80%

**Business Technology Analyst at Deloitte Digital -** Deloitte Consulting LLP, Bangalore, India **Aug 2016 - July 2018**

• Functioned as a front-end developer, transitioned to a Business Analyst within 6 months of joining, in recognition of my performance

• Channelized client requirements into user stories and functional specifications for 4 global clients

• Applauded by superiors for being able to drive our team of 14 members towards project completion, resulting in quick turnover

• Presented our project to the head of Deloitte Digital. Awarded Spot Award for driving the project to completion as a first-time BA

• Performed Market research - analysed historical performance metrics, identified KPIs, product, trends, and developed reports to identify actual performance versus customer requirement. Carried out industry, trend, competitive research and analysis.

**Engineering Intern -** Intel Corporation, Bangalore, India **Jan 2016 – June 2016**

• Developed a weekly status reports web application and status dashboard using Tableau which identified defects and reduced risks by 20%

**PROJECTS** [(all projects can be viewed here)](https://drive.google.com/open?id=1pH2Wk5MJXrFDlRUzfhuwSlhNEe_XhhPi)

**Integrated Analysis on Titanic Data set | R and Tableau Oct 2019 - Nov 2019**

• Data Retrieval, Decision tree using R and K-mean clustering using Tableau- R integration by invoking Rserve()

• Analyzed various factors that affected the survival rate of the passengers in the Titanic

**Fissure Simulation | SimAgile Oct 2019 - Nov 2019**

• Created Project Charter, Release Plan, Product Backlog, Spring backlog and assigned tasks to scrums, as a Scrum Master to deliver MVP

**Huge Stock Market Dataset - Forecasting closing rates of S&P 500 Index companies’ stocks | SAS June 2019 - Aug 2019**

• Researched and analyzed about S&P 500 companies and factors that determine the rise/fall in their stocks

• Performed ARIMA time series model and were able to predict how these companies would perform in the upcoming year

**Home Depot Product Search Relevance | Python April 2019 - May 2019**

• Text cleaning of dataset was done using nltk package - fix casing, removed stop words and symbols, POS tagging, lemmatization, stemming

• Created num columns based on text columns – Edit distance, Cosine similarity, Jaccard similarity; followed by removal of text columns

• Predicted relevance score for the provided combinations of search terms and products, using Random Forest, Linear Regression, Bayesian Linear Regression - RMSE value of 0.49692 was obtained from Linear Regression which was our best fit

**DataVisualization for Nike Manufacturing Map | Tableau Mar 2019 - April 2019**

• Analyzed data and designed a dashboard that determines the relationship between countries, factories, workers and 4 different products

• Thoroughly investigated the data of 42 countries to highlight the top 5 contributing factors to Nike’s success.

**Database creation, forecasting sales using Linear Regression | SQL, R, Excel Nov 2018 - Dec 2018**

• Created a database for a paint company using SQL functions and descriptive statistic functions, subqueries and JOINS

• Forecasted sales for upcoming year by performing Linear Regression using R and Excel

**Google Analytics – Transaction Classification: Which Merchandise visitors are most likely to make a purchase? | R Sept 2018 - Nov 2018**

• Interpreted paid search analytics, performed customer segmentation and behavior analysis to better understand purchase patterns

• Used Random Forest, Linear Discriminant Analysis and Logistic Regression to find the best model that would predict purchase patterns

• Implemented code for Logistic Regression model, which turned out to be the best fit, with an accuracy of 90.3% and sensitivity of 96.5%

**EDUCATION**

**The University of Texas at Dallas -** M.S. in Business Analytics, specializing in Data Analytics  **August 2018 - May 2020**

*Courses:* Statistics and Data Analysis, Business Analytics with R, Database Foundations, Python for Data Science, Big Data, Prescriptive Analytics, Predictive Analytics with SAS, Data Visualization, Agile Project Management, Data Warehousing, Econometrics and Time Series

**PES Institute of Technology -** B.E. in Electronics and Communication Engineering  **August 2012 - May 2016**

**PUBLICATIONS**

**Remote Surveillance Robot and Smart Stock Monitoring Robot using IoT** - ‘Second Best Product Design Award’ in the NCPD 2016 [(Read here)](https://pdfs.semanticscholar.org/4b93/de80e3617967096ba10072d5cb1d25070596.pdf)