

Ashwin Manjunath Bharadwaj

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SUMMARY – Data professional with experience in big data analysis, reporting, presenting actionable insights, and enabling data-driven decision-making. Proficient in SQL, Python, data visualization, and statistics. Experienced in analytical problem-solving and delivering impactful insights to drive business growth. Actively seeking full-time opportunities and available to start immediately.

EDUCATION

The University of Texas at Dallas

January 2022 - December 2023

Master of Science, Management Science

3.91 GPA

Courses: Advanced Statistics for Data Science, Applied Machine Learning, Big Data, Business Analytics with R, Database Foundations, Data Visualization, Data Warehousing, Digital Product Management, Marketing Web Analytics, Spreadsheet Modeling and Analytics.

Awards: 'Salesforce CRM Chapter at UTD' - 1st place working for a nonprofit 'The God's Child Project'.

Visvesvaraya Technological University, India

August 2015 - June 2019

Bachelor of Engineering, Electronics and Communication

Courses: Python Application Programming, Programming in C & Data Structures, Object Oriented Programming Using C++.

TECHNICAL SKILLS

Languages - Python (Pandas, NumPy, SciPy, sci-kit-learn) SQL, R Programming (matplotlib, ggplot2, caret), C, C++.

Analytics - Power BI, Tableau, Jupyter Notebook, Spotfire, MySQL, DAX, Google Analytics, Adobe Analytics (Omniure), MS SQL Server (SSMS, SSRS), Hypothesis Testing, Regression Analysis, Excel (Lookups, Pivot Tables), Salesforce CRM.

Cloud - AWS Athena, AWS Glue, Azure Databricks, Azure Data Factory, Azure Data Lake Storage, Azure Synapse, SAP Analytics Cloud, SAP Data Warehousing Cloud.

Other - QGIS, ArcGIS, JIRA, ServiceNow, MATLAB, SAP Business Objects, SAP S4/HANA, SAP Lumira, Git, PowerPoint, MS Word.

PROFESSIONAL EXPERIENCE

Frontier Communications | Strategy Modeling Intern, Dallas, Texas

June – August 2023

- Collaborated with the strategy team in analyzing the factors influencing fiber projects, and recommended cost-saving alternatives that reduced project expenses by 42%.
- Reduced construction costs by 50% for the grant programs by analyzing internal and competitors' data using **SQL** and **Power BI**.
- Queried databases in **AWS Athena** to validate data and design consumer dashboards and reports on **Power BI** to integrate with **ArcGIS** improving data accessibility, and insights for stakeholders.

The University of Texas at Dallas | Graduate Teaching Assistant, Richardson, Texas

August 2022 – May 2023

- Mentored over 325 students in Statistics and Data Analysis, Quantitative Analysis, and **Data Analytics projects**.
- Instrumental in resolving complex statistical queries, leading to a 25% improvement in students' academic grades.

Infosys Ltd. | Systems Engineer (Business Intelligence), Bangalore, India

December 2019 – December 2021

- Conducted exploratory and **ad hoc** data analyses on a 100,000+ customer dataset, discovering high-growth **customer segments**. Implemented targeted marketing resulting in a 35% product growth surge.
- Performed **extraction, cleaning, transformation, validation**, and analysis of large-scale complex datasets using **SQL**, and **Python (Pandas, NumPy)** resulting in improved data accuracy, reliability, and integrity.
- Defined key performance indicators, and designed **5+ dashboards** and **10+ reports** using Power BI, **Tableau**, **SQL**, and **Excel** to present data-driven actionable insights, leading to a 40% increase in product revenue.
- Cleaned and transformed 10 million+ rows of raw data using **Azure Databricks**, built **ETL pipelines** on **Azure Data Factory** to migrate the data to **Azure Data Lake Storage**.
- Developed over 150 ad-hoc SQL queries in **Azure Synapse** to analyze big data, extracting actionable insights that drove data-informed decision-making and optimized **business strategies**.
- Collaborated with cross-functional leadership teams in **Agile methodology** to evaluate complex project metrics, executed root cause analysis, and presented **strategic solutions** to stakeholders for continuous process improvement.

ACADEMIC PROJECT EXPERIENCE

ML based solution for Banks to Avoid Loan Defaults | R (logistic regression, decision tree, neural network)

May 2023

- Developed and implemented **machine learning models** using supervised learning techniques on **R**.
- Trained and validated datasets on various attributes to achieve an accuracy of 92.24% in predicting loan defaulters.

A Data-Driven Analysis of Covid-19 Impact on K-12 Education in Texas | Python, Tableau

November 2022

- Executed **data cleaning** and integration using **Python** on school attendance records to analyze the impact of Covid-19 on education.
- Investigated and analyzed datasets containing 100,000+ records, deriving data driven **KPIs** to reveal meaningful trends.

Data Modeling and Analytics to Visualize Crime Trends in Austin | MySQL, Tableau

July 2022

- Implemented a **data model**, incorporating Conceptual Design, Logical Model (**ER Model**), and Physical Design on **MySQL**.
- Analyzed 1M + records, and designed dashboards on **Tableau** for law enforcement, feasibly reducing crime rate by 30%.

A Big Data Approach to Identify High-Risk Truck Drivers | PySpark, Hadoop, R, Tableau, Hive

May 2022

- Ingested 1M+ records into **Hive/Impala** tables on **Hadoop (HDFS)** using **PySpark** and **Pigs** for identifying high-risk truck drivers.
- Integrated **Tableau** with **Hadoop** and **R** to determine and analyze the risk factors.
- Employed **regression in R** to calculate the overall risk factor to identify high-risk drivers, possibly curbing accidents caused by commercial trucks in California through proposed safety measures.