

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, Alteryx, Jupyter Notebook, 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.
Other -	Visual Studio, QGIS, ArcGIS, JIRA, ServiceNow, MATLAB, SAP Business Objects, SAP S4/HANA, Git, PowerPoint, MS Word.

PROFESSIONAL EXPERIENCE

Frontier Communications | Strategy Modelling 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**, 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 an 18% product growth surge.
- Improved data accuracy, reliability, and integrity by executing **extraction, cleaning, transformation, validation**, and analysis of large-scale complex datasets using **SQL**, and **Python (Pandas, NumPy)**.
- 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 22% 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 solutions**.
- Collaborated with cross-functional leadership teams in **Agile methodology** to evaluate complex project metrics, executed root cause analysis, and presented **strategic recommendations** to stakeholders for performance improvement.

ACADEMIC PROJECT EXPERIENCE

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

May 2023

- Developed and applied **machine learning models** using supervised learning techniques on **R** achieving 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**, integration, and analysis on school attendance datasets with 100,000+ records using **Python** and **Tableau** to assess the impact of Covid-19 on education and derive data-driven KPIs.

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

July 2022

- Deployed a comprehensive data model of a dataset comprising 1M+ records on **MySQL**, including conceptual, logical model (**ER model**), and physical design, and created **Tableau** dashboards for law enforcement, potentially reducing crime rates 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**.
- Integrated **Tableau** with **Hadoop** and **R** and employed **regression** to determine, analyze and calculate the risk factors to identify high-risk drivers, and curb accidents caused by commercial trucks in California through proposed safety measures.