Ashwin Manjunath Bharadwaj

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SUMMARY - 3 years of experience in data analysis, actionable insights, and data-driven decision-making. Proficient in SQL, Python, Data Visualization, and Statistics. Critical thinking, problem-solving, and delivering impactful insights for business growth.

EDUCATION

The University of Texas at Dallas *December 2023*
Master of Science, Management Science *3.91 GPA*
Courses: Advanced Statistics for Data Science, Digital Product Management, Big Data, Business Analytics with R, Data Visualization, Marketing Web Analytics and Insights, Business Data Warehousing, Applied Machine Learning, Spreadsheet Modeling and Analytics, Database Foundations.
Awards: 1st place – 'Salesforce CRM Chapter at UTD' working for a nonprofit 'The God's Child Project'.
Visvesvaraya Technological University, Karnataka, India *August 2015 - June 2019*
Bachelor of Engineering in Electronics and Communication

TECHNICAL SKILLS

Programming Languages: Python (Pandas, NumPy, SciPy, sci-kit-learn) SQL, R Programming (matplotlib, ggplot2, caret), C, C++.
Analytics: Tableau, Power BI, Jupyter, Spotfire, MySQL, Google Analytics, Adobe Analytics (Omniture), MS SQL Server (SSMS, SSRS), Hypothesis Testing, Regression Analysis, Excel (Lookups, Pivot Tables).
Cloud: AWS Athena, AWS Glue, Azure Databricks, Azure Data Factory, Azure Data Lake Storage, Azure Synapse, Oracle Analytics Cloud, SAP Analytics Cloud, SAP Data Warehousing Cloud.
Other: QGIS, ArcGIS, JIRA, ServiceNow, MATLAB, SAP Business Objects, SAP S4/HANA, SAP Lumira, Git, MS Office (PowerPoint, Word).

PROFESSIONAL EXPERIENCE

Frontier Communications, Dallas, Texas *June – Aug 2023*
Strategy Modeling Intern
- Collaborated with the strategy team in analyzing the factors influencing fiber projects, and recommended cost-saving alternatives that reduced project expenses by 42%.
- Analyzed internal and competitors' data, resulting in a 50% reduction in construction costs for the grant programs.
- Utilized AWS Athena to query databases to validate data and design consumer dashboards and reports on Power BI and integrate with ArcGIS which improved data accessibility, and insights for stakeholders.

The University of Texas at Dallas, Richardson, Texas *August 2022 – May 2023*
Graduate Teaching Assistant
- Mentored over 215 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., Bangalore, India *December 2019 – December 2021*
Systems Engineer (Data Analyst)
- Conducted exploratory and ad hoc data analyses to identify customer trends and patterns to increase product growth by 35%.
- 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 Tableau, Power BI, 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.
- Collaborated with cross-functional teams in Agile methodology to evaluate complex project metrics, executed root cause analysis, and provided strategic recommendations to stakeholders for end-to-end process improvement.

ACADEMIC PROJECT EXPERIENCE

Loan Defaulter classification model |*R (logistic regression, decision tree, neural network), MS Excel* *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.

Covid-19 Impact on K-12 Education in Texas |P*ython, Power BI* *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.

Austin Police Department Crime Report |*MySQL, Power BI* *July 2022*
- Implemented a data model, incorporating Conceptual Design, Logical Model (ER Model), and Physical Design on MySQL.
- Analyzed 100,000+ records, and designed dashboards on Power BI for law enforcement, feasibly reducing crime rate by 30%.

Risk Factor Analysis |P*ySpark, 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.