SUDHARSAN SENTHILKUMAR

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CAREER OBJECTIVE

Passionate **Data Scientist** skilled at extracting insights from complex datasets and transforming data into actionable insights. Seeking impactful opportunities to apply advanced analytics, **Machine Learning,** and data visualization techniques with **Power BI** and **Tableau** to drive business growth**.**

EDUCATION QUALIFICATION

Master of Science in Computer Science
RVS College of Arts and Science
2023 – Present
  ❖ **CGPA**: 9.3
  ❖ **Relevant Coursework**: Machine Learning, Data Visualization, Web Development

Bachelor of Science in Information Technology
Bharathiar University
2019 – 2023
  ❖ **CGPA**: 7.7
  ❖ **Relevant Coursework**: Algorithms, Database Management, Java Programming

Certification in Data Analysis & Web Development

- Database Management Using PostgreSQL (Udemy, 2024)
- Data Visualization with Power BI (Udemy, 2024)
- JavaScript for Web Development (Free Code Camp, 2023)

Key Skills: Data cleaning, statistical analysis, data visualization

(CORE COMPETENCIES)

Web Design: HTML, CSS, JavaScript – Designing and developing user-friendly web interfaces and interactive elements.

Data Visualization: Tableau, Power BI, Pentaho – Creating interactive dashboards, charts, and graphs; data preparation, custom calculations, and aggregations.

Databases: Mongo DB, PostgreSQL – Data retrieval, manipulation, and analysis; complex SQL queries, filtering, sorting, aggregation, and enforcing data integrity.

Data Analysis: Excel, R Programming, Python – Advanced data manipulation, reporting, statistical analysis, and visualization.

Statistics and Machine Learning: R (e.g., ggplot2,) – Statistical analysis, predictive modeling, regression, classification, clustering, model evaluation, and performance optimization

ACHIEVEMENT

• Attended a Workshop Organized by **PARK INTELLI SOLUTIONS PRIVATE LIMITED** Participated in a hands-on workshop focused on enhancing technical skills and industry knowledge.

• Three-Day Workshop by **MAGIC BUS INDIA FOUNDATION** Engaged in an interactive three-day workshop aimed at personal and professional development, emphasizing teamwork, leadership, and problem-solving skills.

• Industrial Visit to **APP INNOVATION** undertook an industrial visit to App Innovation to gain in-depth insights into industrial processes, practices, and the latest technological trends.

PROJECTS

1. Travel Application
Technologies: MERN Stack (Mongo DB, Express.js, React.js, and Node.js)

- Developed a full-stack application for simulating travel booking operations.
- Implemented key features such as account creation, travel booking, payment processing, and booking display.
- Utilized React for building dynamic user interfaces and integrated Mongo DB for database management.

2. Data Visualization and Model Building
Technologies: Python (Matplotlib, Seaborn), R (ggplot2), Power BI, Tableau, Pentaho, Machine Learning

- Created diverse **data visualizations** and applied **Pentaho** for **ETL processes** and data integration, enhancing data quality and supporting **decision-making** using **Power BI** and **Tableau**.
- Built **interactive dashboards** and reports to display **key performance indicators (KPIs)** and trends, supporting data-driven decision-making.
- Developed and implemented **machine learning models** for prediction and classification tasks using **R**.

3. Bank Application
Technologies: MERN Stack (MongoDB, Express.js, React.js, and Node.js)

- Built a full-stack application simulating banking operations such as account creation, deposits, withdrawals, and balance inquiries.
- Designed user-friendly interfaces using react to facilitate seamless user interactions.
- Ensured secure and efficient management of account data with Mongo DB.

Date:

Place: **Signature**