Dasaradh D

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PROFESSIONAL SUMMARY

Data Analyst and Analytics professional with strong expertise in SQL-driven data analysis, dashboard development, and end-to-end analytical workflows. Experienced in transforming large-scale datasets (500K+ records) into actionable business insights through structured reporting, KPI modeling, and performance optimization. Skilled in Python-based EDA, predictive modeling, and applied NLP techniques to deliver measurable, decision-ready impact.

EDUCATION

Year	Degree	Institute	CGPA
2022–2025	B.Sc. Computer Science	Nehru Arts and Science College, Coimbatore	7.5
2020–2022	Higher Secondary Education	Bhavans Vidya Mandir, Chithali	7.1
2020	SSLC	Bhavans Vidya Mandir, Chithali	6.9

TECHNICAL SKILLS

- **SQL & Data Modeling:** Advanced Queries, CTEs, Window Functions, Joins, Aggregations.
- **Business Intelligence:** Power BI (DAX), Tableau, Excel (Pivot Tables, KPI Dashboards).
- **Programming:** Python (Pandas, NumPy, Scikit-learn), Data Preprocessing, Feature Engineering.
- **Machine Learning:** Supervised & Unsupervised Learning, TF-IDF, Classification Models, ANN.
- **Tools:** Jupyter Notebook, VS Code, MySQL Workbench, Git.

PROJECTS

AI-Powered Sentiment Analysis System

- Processed and analyzed 500,000+ customer review records using structured preprocessing and feature engineering.
- Achieved 95% model accuracy using TF-IDF vectorization and Logistic Regression.
- Built an end-to-end Streamlit analytics dashboard supporting bulk CSV uploads and automated insight generation.
- Implemented automated PDF reporting with sentiment distribution visualizations for business decision support.

CareerAI – Resume Intelligence & Career Readiness Platform

- Developed a full-stack Resume–JD matching system using React (Vite) and FastAPI.
- Designed rule-based scoring logic to compute resume match score (0–100) and identify skill gaps.
- Built RESTful APIs for resume parsing, aptitude generation, and structured feedback workflows.
- Implemented modular frontend–backend architecture ensuring scalable and maintainable design.

AI-Based Data Compression in HDFS Using MapReduce

- Designed distributed MapReduce-based compression workflows for large-scale sensing datasets.
- Improved storage efficiency while maintaining data integrity and processing performance.
- Applied Hadoop ecosystem concepts for scalable big-data processing.
- Published in UGC CARE indexed journal (IAPQR Transactions, 2025).

ADVANCED PRACTICE & HANDS-ON EXPERIENCE

- **SQL (Advanced):** Complex analysis across multiple datasets using joins, CTEs, window functions, and aggregations.
- **Power BI:** Built multi-page interactive dashboards with dynamic KPI calculations and performance optimization.
- **Tableau:** Developed analytical visualizations to identify traffic and trend patterns.
- **Machine Learning:** Applied supervised and unsupervised models with structured experimentation and evaluation.

PUBLICATIONS

- AI-Based Data Compression in HDFS Using MapReduce, IAPQR Transactions, 2025 (UGC CARE, IF 6.718).
- AI-Powered Blockchain Applications for Secure Data Sharing, ICRTCTDA-2025.

ADDITIONAL INFORMATION

- First Prize in Department-wise Computer Science Exhibition, 2024.
- Completed structured SQL analytical challenge focused on advanced problem-solving.
- Strong experience presenting insights through dashboards, reports, and data storytelling.
- Languages: English, Malayalam, Tamil, Hindi.