CHANDRA SHEKAR DEVARASETTI

Data Analyst & Data Scientist

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PROFESSIONAL SUMMARY

Data Analyst and Data Scientist with **3.5+ years of experience** transforming complex data into **actionable insights**. Proficient in **Power BI**, **SQL**, and **Python** for building **dynamic dashboards** and performing **in-depth analysis**. Skilled in **data preprocessing**, **statistical modeling**, and working with **relational databases** including **PostgreSQL**, **MSSQL**, and **Oracle**. Familiar with applying both **supervised and unsupervised machine learning techniques** to solve **real-world business challenges**. Dedicated to delivering **data-driven solutions** that enhance **operational efficiency** and support **strategic decision-making**.

SKILLS

Database Management:	Microsoft SQL Server, Oracle, PostgreSQL
Programming Languages:	Python, SQL
Data Manipulation:	Pandas, NumPy, Microsoft Excel
Data Visualization:	Power BI, Grafana, Matplotlib, Seaborn
Statistics:	Descriptive Statistics, Hypothesis Testing, Probability, Time Series Analysis
Machine Learning:	Scikit-learn, EDA, Regression, Classification, Clustering, Anomaly Detection
Tools & Platforms:	Jupyter Notebook, Google Colab, GitHub, Microsoft Power BI Service
Soft Skills:	Problem Solving, Team Collaboration, Data Storytelling, Time Management

EXPERIENCE

Data Scientist — Efftronics Systems Pvt. Ltd. *Aug 2023 – Present*

- **Railway Point Health Monitoring:** Developed **Power BI** dashboards, improving data reliability to **100%**, boosting logger performance by **30%**, and enabling predictive fault detection to reduce track failures.

- **Smart Water Management:** Designed and deployed dashboards using **Power BI** and **Grafana** to track **Unaccounted Water** and **Per Capita Usage**, achieving a **40% reduction in water wastage**. Integrated real-time **leakage detection**, cutting leakages by **50%**.

- **Weather Monitoring System:** Analyzed **temperature, humidity, CO_2, NO_2, and AQI** data, delivering **3x improvement in air quality** through actionable insights from sensor-based analytics.

- **Railway Platform Asset Monitoring:** Built real-time dashboards to monitor **platform lights, lifts, and escalators**, enhancing energy efficiency by **40%** and improving asset availability for passenger services.

Data Analyst — Efftronics Systems Pvt. Ltd. *Sep 2022 – Jul 2023*

- **Energy Management System:** Developed dashboards for **AC units, lighting, and solar panels**, reducing energy consumption by **30%** across monitored locations through efficient data analysis and visualization.

- **Indoor Air Quality Monitoring:** Visualized real-time data from **IAQ sensors** including **dust, smoke, CO_2, VOCs, temperature, and humidity**. Monitored critical areas like **server rooms and storage spaces** to ensure optimal conditions.

PERSONAL PROJECTS

A Sample Survey on Cashless Transactions in Vijayawada *Jan 2019 - Apr 2019*

Tools Used: SPSS, Excel

Key Focus: Performed statistical analysis to identify key factors influencing cashless adoption, including awareness, convenience, and security concerns.

EDUCATION

Masters in Statistics	2019 - 2021
Krishna University (Nuzvid), CGPA: 9.5	
Bachelor Degree in Mathemetics, Statistics & Computer Science	2016 - 2019
K.B.N College, Krishna University (Vijayawada), CGPA: 9.5	

CERTIFICATIONS

- **Data Science with Python** – Great Learning
- **SQL for Data Science** – Great Learning
- **Data Visualization with Power BI** – Great Learning
- **Excel Data Analysis** (Basic to Advanced) – Udemy
- **Complete Excel Data Analysis Course** – Udemy
- **Python Pandas Basics** – Simplilearn SkillUp
- **NumPy, Intro to NumPy** – Simplilearn SkillUp
- **HackerRank SQL** (Basic, Intermediate, Advanced)