

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, CO₂, NO₂, 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, CO₂, VOCs, temperature, and humidity**. Monitored critical areas like **server rooms and storage spaces** to ensure optimal conditions.

PERSONAL PROJECTS

Data-Driven Healthcare Insights: Exploratory Study

Performed end-to-end data cleaning, data preprocessing, exploratory data analysis (EDA), and data visualization on a healthcare dataset. Developed interactive dashboards in Power BI to present insights on patient outcomes, billing trends, medical conditions, doctor and hospital performance, and time-series analysis.

Tools and Technologies Used: Python (Pandas, NumPy, Matplotlib, Seaborn), Jupyter Notebook, Power BI

EDUCATION

Masters in Statistics

2019 - 2021

Krishna University (Nuzvid), CGPA: 9.5

CERTIFICATIONS

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| • 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) |