CHANDRA SHEKAR DEVARASETTI

Data Analyst & Data Scientist

🗠 devarasettychandrashekar@gmail.com 🛛 in linkedin/Chandra 🗘 github/Chandra 🔇 Portfolio/Chandra

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
BUDEDIENCE	

EXPERIENCE

Data Scientist — Efftronics Systems Pvt. Ltd.

Oct 2023 – Present

Nov 2021 - Sep 2023

- 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.

- 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

CERTIFICATIONS

EDUCATION

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