

# JASMIN SHAIK

## Data Analyst & Data Scientist

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### PROFESSIONAL SUMMARY

**Data Analyst and Data Scientist** with **2.5+ years of experience** in data-driven decision-making using statistical methods and predictive analytics. **Proficient in SQL, Python, and advanced data preprocessing techniques.** Skilled in visualizing time-series data with **Power BI and Grafana**, and managing large datasets across **PostgreSQL, MSSQL, and Oracle**. Familiar with applying both **supervised and unsupervised ML algorithms** to solve business problems and uncover actionable insights.

### SKILLS

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

### EXPERIENCE

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

- **Smart Water Management:** Designed and deployed interactive dashboards using **Power BI** and **Grafana** to monitor **Unaccounted Water** and **Per Capita Usage**, leading to a **40% reduction in water wastage**. Integrated real-time **leakage detection reports**, resulting in a **50% decrease in leakages**.
- **Weather Monitoring System:** Analyzed environmental parameters including **temperature, humidity, CO<sub>2</sub>, NO<sub>2</sub>, and AQI**, which contributed to a **3x improvement in air quality** through actionable insights.
- **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 better passenger service.

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

- **Energy Management System:** Performed data analysis and developed dashboards for **air conditioning units, lighting, and solar panels**, resulting in a **30% reduction in energy consumption** across monitored sites.
- **Indoor Air Quality Monitoring:** Visualized and tracked real-time data from **IAQ sensors** like **dust, smoke, CO<sub>2</sub>, VOCs, temperature, and humidity**. Also monitored **server room and storage area conditions**.

### PERSONAL PROJECTS

**Human Pose Detection using Machine Learning** *Jun 2022 – Aug 2022*  
Developed a system to detect human poses in real-time using a webcam by leveraging computer vision and machine learning techniques. Implemented pose detection to predict joint positions from images or video frames.  
**Technologies:** Python, OpenCV, MediaPipe

### EDUCATION

<b>B.Tech in Computer Science and Engineering</b>	2019 – 2023
Rajiv Gandhi University of Knowledge and Technologies (APIIT, Nuzvid), CGPA: 9.3	
<b>Pre-University Course (PUC / Intermediate)</b>	2017 – 2019
Rajiv Gandhi University of Knowledge and Technologies (APIIT, Nuzvid), CGPA: 9.4	
<b>CLASS X</b>	2017
Zilla Parishad High School, Nidubrolu, CGPA: 10.0	

### CERTIFICATIONS

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| • Virtual Internship in Data Science by APSSDC          | • <b>Data Science with Python</b> – Great Learning         |
| • <b>SQL for Data Science</b> – Great Learning          | • <b>Data Visualization with Power BI</b> – Great Learning |
| • <b>HackerRank SQL</b> (Basic, Intermediate, Advanced) | • <b>Python Pandas Basics</b> – Simplilearn SkillUp        |
| • <b>NumPy, Intro to NumPy</b> – Simplilearn SkillUp    |  |