

# Devashish Bose

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in LinkedIn — GitHub — Portfolio

## Professional Summary

Aspiring Data Scientist skilled in Python, SQL, and machine learning. Experienced in big data tools (Hadoop, Hive), data visualization (Tableau, Power BI), and statistical analysis. Passionate about leveraging AI/ML to solve industrial challenges in manufacturing and energy, with hands-on project experience in predictive maintenance, anomaly detection, and optimization.

## Education

**Madhav Institute of Technology and Science, RGPV, Gwalior**

Jul 2026

B.Tech, Internet of Things (IoT)

CGPA: 7.3/10 (Last Semesters SGPA: 8.13 and 8.36)

Relevant Coursework: Machine Learning, Data Science, Data Structures, SQL, Statistics, Optimization

## Projects

### Predictive Maintenance using Sensor Data

Python, Scikit-learn, Pandas

GitHub Link

- Processed NASA Turbofan engine dataset to predict machine failure cycles.
- Engineered features and trained Random Forest achieving 87% accuracy.
- Designed dashboards to visualize machine health for proactive maintenance.

### Big Data Analysis using Hadoop

Hadoop, Hive, Tableau

- Processed 5GB+ industrial data logs using HDFS and MapReduce.
- Queried structured data with Hive and optimized queries by 25%.
- Built Tableau dashboards to visualize KPIs and operational insights.

### Energy Consumption Forecasting

Python, LSTM, Power BI

GitHub Link

- Forecasted industrial energy usage using LSTM time-series models.
- Achieved MAPE of 8.5%, enabling simulation of peak load reduction.
- Developed interactive Power BI dashboards for scenario analysis.

### Data Visualization Project

Power BI, Excel

GitHub Link

- Analyzed datasets for PwC Virtual Internship.
- Designed interactive dashboards showcasing KPIs for business insights.

## Technical Skills

**Programming & Data:** Python, SQL, R, C++, Pandas, NumPy, Scikit-learn

**Data Science & ML:** ML Algorithms, Feature Engineering, Statistical Analysis, A/B Testing

**Visualization:** Tableau, Power BI, Matplotlib, Seaborn

**Big Data:** Hadoop, Hive, MapReduce

**MLOps/Tools:** Git, Jupyter, MySQL, Flask, Streamlit

**Additional:** IoT Hardware (Arduino, Raspberry Pi), Circuit Design

## Certifications

- Introduction to SQL – Simplilearn (Mar 2025)
- R Programming – Simplilearn (Jan 2025)
- Power BI Virtual Internship – PwC Forage (Jul 2024)
- Python Basics – Infosys Springboard (Mar 2023)

## Leadership & Activities

### Science Club, MITS

- Social Media Head (2024–Present): Led digital campaigns and online branding.
- Graphics Designer (2023–24): Designed visuals for workshops and events.

### College Football Team

- Represented MITS in inter-branch and nodal tournaments.