

Rishu Anand

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SUMMARY

Results-driven Data Analyst and Power BI with a strong foundation in **Electronics and Communication Engineering** and hands-on experience in **Data Science and Machine Learning**. Skilled in **Power BI, SQL, Excel, and Python** for transforming complex datasets into actionable business insights. Proficient in **data cleaning, visualization, EDA, and regression modeling**, with a focus on delivering scalable, data-driven solutions. Familiar with **project management principles**, API deployment, and dashboard development. Adept at solving analytical problems to support decision-making and improve performance.

TECHNICAL SKILLS

Programming Languages: Python, C++, SQL, MATLAB.

Data Analytics & Visualization: Data Cleaning, EDA, Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau, Excel (Pivot Tables)

Machine Learning & Deep Learning: Scikit-learn, Regression, Classification, Clustering, TensorFlow, Keras, PyTorch (basics)

Electronics & Embedded Systems: Digital Electronics, Microcontrollers (8051, Keil), Embedded C, Signal Processing, MATLAB .

Tools & Others: Git/GitHub.

PROJECTS

1 . Diwali Sales Data Analysis

(Python , Pandas , Matplotlib , Seaborn)

- Performed EDA on festive sales data to uncover customer behavior and buying patterns .
- Identified top-selling products and high-performing regions to guide marketing strategy.
- Analyzed demographic trends (age, gender) to improve customer segmentation.
- Visualized insights using Matplotlib and Seaborn for stakeholder-ready reporting.
- Delivered actionable recommendations for inventory planning and targeted promotions.

2 . Bengaluru House Price Prediction Website

(End-to-end ML deployment project)

- Built a real-time price prediction web app using ML, Python, Flask, and HTML/CSS/JS.
- Achieved R^2 score of 0.82 and RMSE of ₹7.5L on cleaned Bengaluru housing data.
- Engineered features and tuned model using GridSearchCV and K-Fold validation.
- Designed REST API with 200ms latency; tested via Postman for reliability.
- Structured project for production with modular repo and documented setup.

EXPERIENCE

Maven Silicon Softech Pvt Ltd

Aug 2023 - Oct 2023

Project Design Intern

- Assisted in construction and maintenance of EHV transmission lines and substations. .
- Gained exposure to technical tasks, including installation and calibration of electrical components.
- Oversaw project progress while ensuring adherence to safety protocols.

EDUCATION

Vellore institute Technological

Bachelor's in Electronic and communication Engineering(CGPA :- 8.17)

Vellore, Tamil Nadu

MAY 2021 – JULY 2025

Higher Secondary School

Happy Valley School(Percentage :- 84)

Bhagalpur , Bihar

April 2018 – May 2020

CERTIFICATIONS

- AWS Certified Machine Learning - Specialty
- SQL and Relational Databases 101 by IBM