

PAWAN S BANT

Data Scientist

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Professional Summary

Data Scientist Machine Learning Engineer with 1+ years of hands-on experience in building end-to-end ML solutions, predictive modeling, and data-driven decision-making. Proven expertise in Python, PySpark, and Azure ML, with a track record of improving model accuracy by up to 43% and operational efficiency by 10%. Strong communicator with a keen interest in building reliable and efficient ML systems and workflows.

TECHNICAL SKILLS

Programming: Python (NumPy, Pandas, Scikit-learn), SQL

Data Science: Regression, Clustering, Feature Engineering, Hypothesis Testing, A/B Testing, Deep Learning (Basic)

MLOps: Currently developing proficiency in Azure ML, Docker, git and CI/CD Pipelines

Big Data Tools: PySpark, Databricks, Delta Lake, ETL Pipelines

Visualization: Power BI (DAX, Data Modeling), Excel (Pivot Tables, Macros)

Cloud/Databases: Azure (Currently developing skills), MySQL

PROJECTS

Real Estate Recommendation System 🌐 | Python, Machine Learning, Streamlit **2023-24**

- Engineered an application with advanced data cleaning, feature engineering, and analysis.
- Deployed and validated multiple regression models, increasing property price prediction accuracy by 43.55%.
- Automated data cleaning (Pandas) for 50K+ rows, reducing preprocessing time by 25%.

Taxi Fare Prediction Application 🌐 | PySpark, Machine Learning, Streamlit, Azure **2023-24**

- Built an end-to-end ML application for NYC taxi fare prediction on a 35M-row dataset, improving performance by +10% through advanced data cleaning and feature engineering.
- Evaluated and refined multiple regression models using statistical methods to enhance accuracy by 28%.
- Created interactive visuals and explored streamlit through integrated deployment and Azure CI/CD pipelines.

Enterprise Sales Dashboard 🌐 | Power BI, Advanced Excel, MySQL **2023-24**

- Analyzed sales trends using MySQL, contributing to a +10% increase in operational efficiency.
- Designed a Power BI dashboard tracking KPIs (YoY growth, customer segmentation) that boosted efficiency by 10%.
- Reduced non-performing loans by 10% through Excel-based analysis of loan portfolio risk.

WORK EXPERIENCE

Data Science trainee, Besant Technologies **2023 – 2024**

- Developed hands-on expertise in ML algorithms, Power BI, and Azure deployment through real-world applications.
- Orchestrated 3 end-to-end projects from data collection to production deployment.

EDUCATION

B.Tech in Engineering, KLE Institute of Technology **Hubballi, Karnataka**

Relevant Coursework: Data science, Machine Learning, Statistical Modeling. **2015 – 2019**

Key Achievements

- Enhanced taxi fare prediction accuracy by 30% (R^2 : 0.84) through the implementation of Gradient Boosting, and introduced a scalable Streamlit application and explored MLOps pipelines with Docker for scalable deployment.
- Optimized Azure training expenses.
- Boosted real estate price forecasting accuracy from 62% to 89% with Random Forest Regression.