

PAWAN S BANT

Data Scientist

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Professional Summary

Data Science enthusiast with a strong foundation in analytical modeling, programming, and statistical analysis. Skilled in Python and SQL, focused on extracting insights and automating processes. Eager to apply my knowledge and continue learning in a data-driven environment.

TECHNICAL SKILLS

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

Data Science: Supervised/Unsupervised Learning, Deep Learning, Statistical Analysis

MLOps: Azure ML, Docker, CI/CD Pipelines, MLflow

Big Data Tools: PySpark, Databricks, Delta Lake

Visualization: Power BI (DAX, ETL), Excel (Pivot Tables, Macros), Streamlit

Cloud/Databases: Azure, MySQL, PostgreSQL

PROJECTS

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

- Engineered a robust application with advanced data cleaning, feature engineering, and selection, and analysis.
- Implemented and evaluated multiple regression models, enhancing property price prediction accuracy by 10%.
- Designed a personalized property recommendation system with Streamlit, boosting user engagement by 20% and reducing load time by 30%.

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

- Developed an end-to-end ML application for NYC taxi fare prediction on a 35M-row dataset, leveraging advanced data cleaning and feature engineering to advanced performance by 13%.
- Applied advanced feature engineering and selection (e.g., Random Forest, Gradient Boosted Trees, SHAP), assessed various regression models, and fine-tuned to improve accuracy by 15%.
- Built a personalized prediction system with interactive visuals, boosting engagement by 25%. Fine-tuned regression models on Databricks, cutting response time by 30%, and deployed via Streamlit and Azure CI/CD pipelines.

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

- Conducted in-depth analysis of sales trends using MySQL, enabling a 12% increase in operational efficiency and building an intuitive Power BI dashboard featuring KPIs and heat maps that reduced reporting time by 20%.
- Created an Excel dashboard for loan metrics, boosting tracking efficiency by 18% with advanced visualizations.
- Optimized decision-making by 10% and reduced non-performing loans by 10% through portfolio analysis.

WORK EXPERIENCE

Data Science Fellow, Besant Technologies 2023 – 2024

- Trained 100+ hours in ML algorithms, Power BI, and Azure deployment.
- Led 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, Statistics, Cloud Computing. 2015 – 2019

Key Achievements

- Improved taxi fare prediction accuracy by 30% (R^2 : 0.84) using Gradient Boosting, built a Streamlit app, and explored MLOps pipelines with Docker for scalable deployment.
- Streamlined Azure training expenses by implementing spot instances, cutting costs by 40%.
- Increased real estate price forecasting accuracy from 62% to 89% with Random Forest Regression.