

# PAWAN S BANT

Data Scientist

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## Professional Summary

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Driven Data Science and Machine Learning enthusiast with a strong foundation in analytical modeling, programming, and statistical analysis. Proficient in Python and SQL with a focus on extracting insights, automating processes, and developing predictive models. Committed to continuous learning and applying data-driven solutions in challenging environments.

## TECHNICAL SKILLS

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

**Data Science:** Supervised/Unsupervised Learning, Statistical Analysis,  
Expanding knowledge in deep learning

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

**Big Data Tools:** PySpark, Databricks, Delta Lake

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

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

## PROJECTS

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### 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%.
- Built personalized property recommendation system.

### 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 featuring KPIs and heat maps.
- Created an Excel dashboard for loan metrics and reducing non-performing loans by +10% through detailed portfolio analysis.

## WORK EXPERIENCE

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### Data Science Fellow, 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

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

Relevant Coursework: Data science, Machine Learning, Statistics. 2015 – 2019

## Key Achievements

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- 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.