# Pawan S Bant
**Data Scientist**

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## Professional Summary

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

**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 an application with advanced data cleaning, feature engineering, and analysis.
- Deployed and validated multiple regression models, increasing property price prediction accuracy by 10%.
- Built personalized property recommendation system, increasing user engagement by 20% and reducing load time by 30%.

### 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 13% through advanced data cleaning and feature engineering.
- Evaluated and refined multiple regression models using statistical methods to enhance accuracy by 15%.
- Created interactive visuals and deployed optimized models on Databricks, reducing response time by 30%; integrated deployment using Streamlit and Azure CI/CD pipelines.

### Enterprise Sales Dashboard ⧉ | Power BI, Advanced Excel, MySQL — **2023-24**

- Analyzed sales trends using MySQL, contributing to a 12% increase in operational efficiency.
- Designed a Power BI dashboard featuring KPIs and heat maps that reduced reporting time by 20%.
- Created an Excel dashboard for loan metrics, improving tracking efficiency by 18% and reducing non-performing loans by 10% through detailed portfolio analysis.

## WORK EXPERIENCE

### 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

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

Relevant Coursework: Data science, Machine Learning, Statistics, Cloud Computing.   **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 by implementing spot instances, slashing costs by 40%.
- Boosted real estate price forecasting accuracy from 62% to 89% with Random Forest Regression.