

Priya Sharma

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Location: Bangalore, India

Summary

Senior Data Science Analyst with 7+ years of experience in predictive modeling, statistical analysis, and AI-driven insights. Expertise in **Python, PySpark, SQL, and GenAI** for developing robust analytical solutions. Proven ability to collaborate with global teams and drive business impact through data science methodologies.

Skills

- **Programming:** Python, PySpark, SQL, R
- **Machine Learning & AI:** Supervised & Unsupervised ML, Deep Learning, GenAI, NLP
- **Big Data & Analytics:** Hadoop, Spark, Databricks
- **Statistical Modelling:** Regression, Clustering, Time Series, Bayesian Analysis
- **BFSI & Risk Analytics:** Credit Risk, Fraud Detection, Customer Segmentation
- **Visualization & Reporting:** Tableau, Power BI, Matplotlib, Seaborn

Experience

Senior Data Scientist | XYZ Analytics Pvt. Ltd. | Jan 2020 – Present

- Designed and implemented **predictive models** for credit risk assessment, reducing loan default rates by 15%.
- Developed **GenAI-driven automation** tools to optimize data validation and anomaly detection.
- Led the **end-to-end model development lifecycle**, including validation and calibration.
- Collaborated with **global stakeholders** to tailor solutions to business needs.

Data Scientist | ABC Financial Solutions | Aug 2016 – Dec 2019

- Built **NLP-based text classification models** for fraud detection in financial transactions.
- Developed **statistical models** to improve customer churn prediction by 20%.
- Optimized large-scale **data pipelines using PySpark** to handle structured and unstructured data.

Education

Master of Science in Data Science – Indian Institute of Technology (IIT), Bombay | 2016

Certifications

- **Certified AI & ML Specialist** – Coursera
- **Advanced GenAI Techniques** – Udacity

Achievements

- Developed a **GenAI-based document summarization tool** for financial reports, reducing analysis time by 40%.
- Published research on "**Machine Learning in Credit Risk Modeling**" in a peer-reviewed journal.