Sameer Bansal

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Education

The University of Texas at Dallas | Richardson, TX Jan 2025 - Dec 2026
Master of Science in Business Analytics & Artificial Intelligence
Analytics Excellence Scholarship

Devi Ahilya Vishwavidyalaya | Indore, India Jul 2019 - May 2022
Bachelor of Commerce (Management)

Skills

Technical: SQL, Python, R, Excel, Tableau, Power BI
Analytics: Data Cleaning, Statistical Analysis, Predictive Modeling, Machine Learning, Data Visualization

Projects

The Football Archive SQL, Python, ETL
- Designed an eight-table SQL model covering 19K+ matches across five European leagues and eleven seasons, powering an interactive football archive for club comparisons, player analysis and match replays.
- Automated daily results ingestion and cross-checked standings and goal totals, preserving verified data when feeds failed or returned incomplete updates.

Credit Risk Modeling Python, XGBoost, Neural Networks
- Engineered a 606-feature modeling dataset for 120,000 American Express customers, aggregating up to six monthly statements per customer to compare default-risk models.
- Achieved 0.959 ROC AUC on 18,000 test customers with XGBoost and compared risk-based approval strategies, finding no clear default reduction versus logistic regression at 60% simulated approvals.

Amazon Product Selection in R R, Regression, Sensitivity Analysis
- Analyzed 551K+ Amazon India listings in R to evaluate five store concepts and build a first-time seller's research shortlist, with travel packing leading across eight screening scenarios.
- Benchmarked price models on 83K+ test products, achieving 10.2% lower overall listed-price MAE than category medians with ridge regression.

Pointless Python, Data Storytelling
- Created an interactive blog investigating everyday questions through public data, combining Python analysis and visual storytelling with published sources and reproducible calculations.

Experience

Graduate Teaching Assistant Jun 2026 - Dec 2026
The University of Texas at Dallas, Richardson, TX
- Evaluate assignments, case studies and projects for 40+ graduate students across 3 analytics courses, reviewing code and analytical approaches and providing actionable feedback.
- Conduct weekly tutorials on course software and analytical workflows, troubleshooting technical issues and distributing lecture recordings and structured notes for review.

Accounting & Tax Associate Sep 2023 - Oct 2024
STS & Associates, Indore, India
- Supported 2 on-site bank audits as part of a 4-person team, examining account records and supporting documentation to identify discrepancies and compliance issues.
- Trained and supervised 3 interns, reviewing their work and guiding them through internal systems, accounting processes and tax workflows.

Accounting Assistant Sep 2022 - Aug 2023
B. Bansal & Co., Indore, India
- Independently prepared and filed indirect tax returns, processed tax payments and maintained filing records.
- Prepared client documentation and correspondence, drafting letters and responses under senior staff guidance.