Abhinav Sharma

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Technical Skills

Languages & Data: Python (Pandas, NumPy, Scikit-Learn, XGBoost), SQL, T-SQL, Snowflake, dbt, R, ETL/ELT (SSIS), Data Modeling, Data Quality & Validation, Databricks, PySpark, FastAPI, Docker, CI/CD, Git/GitHub
Analytics & ML: Statistics, Regression, Classification, Forecasting (ARIMA), NLP, A/B Testing & Experiment Design, Causal Inference, Predictive Modeling, Price Elasticity Modeling
BI & Reporting: Tableau, Power BI, Excel (advanced), Dashboards, KPI Reporting, Data Storytelling, Process Automation
AI & Product: LLM Evaluation, RAG, ChromaDB, Prompt Engineering, LangGraph, Multi-Agent Systems, Natural-Language-to-SQL, Claude API, AI-Assisted Analytics (Claude Code, Cursor), Requirements & Acceptance Criteria, AI Governance, Stakeholder Management

Experience

AI Product Management Consultant, Practicum — Jan 2026 – May 2026

Wolters Kluwer — *Remote, USA*

- Established the governance backbone for a Fortune 500 AI product framework, coordinating three Go/No-Go checkpoints and a **40-point suitability scorecard** that stopped hallucination-prone use cases from launch.
- Defined measurable launch requirements (**90%+ accuracy**, under 3% hallucination across 500+ SME-verified queries, 6s P95 latency), codified into an **"AI-Aware Definition of Done"** that Product, Legal and Engineering graded against.

Skills: LLM Evaluation, Prompt Engineering, AI Governance, Product Analytics, Python

Data Analytics Consultant, Practicum — Aug 2025 – Dec 2025

Associated Wholesale Grocers — *Remote, USA*

- Built a Python price-gap model on **4,800+ item-quarter observations** for a **$1.9B** wholesaler, flagging **$21.4M** in at-risk sales from mispriced SKUs and measuring price elasticity across 91 SKUs.
- Modeled cost pass-through on **2,300+ supplier cost changes**, finding private-label brands absorbed **74–89%** of cost shocks while national brands passed through nearly in full, and overlaid tariff exposure to quantify a **6%** cost spike in import-sensitive categories.

Skills: Python, Pandas, Price Elasticity Modeling, Power BI, Excel

Business Analyst — Mar 2025 – Jul 2025

Savvy Corporate Services Pvt. Ltd. — *Delhi, India*

- Replaced manual re-keying of client attendance and wage sheets with Python/SQL pipelines that standardize and validate inputs (duplicate employee codes, impossible attendance days, pay mismatches) before payroll and EPF return preparation, cutting errors caught in QC from about 40 to about 8 per payroll cycle (**80%**) and returning **15+ hours/week** to the team.
- Built a SQL-based compliance due-date tracker across client EPF, ESIC, professional tax, TDS and contract labour filings, roughly halving missed statutory deadlines.

Skills: Python, SQL, Data Validation, Process Automation, Compliance Reporting

Data Analyst — May 2023 – Jan 2025

Media & Entertainment Skills Council — *Delhi, India*

- Owned **SQL/SSIS ETL pipelines** integrating workforce data from 200+ training centers across 12 sub-sectors, with dbt models on Snowflake; data-quality checks and validation cut **reporting lead time 60%**.
- Built enrollment-prediction models to flag which courses and batches would fill and prioritize spend, delivered through Tableau/Power BI dashboards executives used directly – lifting conversion **60%** and adoption **75%**.

Skills: SQL, SSIS, ETL, Snowflake, dbt, Python, Tableau, Power BI, Predictive Modeling

Projects

NBA Spread Prediction Engine

- Engineered an ML pipeline on **5,993 games** from the NBA API and Kaggle betting-line and injury datasets, building **29 leakage-safe features** (lagged before rolling) with pytest unit tests and 3-fold chronological cross-validation across 108 model fits.
- Backtested on **1,225 held-out games** against market-implied closing lines and found **no edge** (ROC-AUC 0.479, ROI **−6.96%** vs −4.78% for always-home), documented in a model card; deployed as a containerized FastAPI service with GitHub Actions CI on Render.

Skills: Python, XGBoost, pytest, FastAPI, Docker, GitHub Actions

Project Aura – Multi-Agent LLM Analytics Platform

- Architected a 5-agent pipeline (Schema Discovery, SQL Engineer, Scientist, Strategist, Critic) converting natural language into SQL-backed analysis on a **29-table** database; the SQL Engineer retries failed queries up to 3 times, and **10 of 15** backtest questions completed, all on the first attempt.
- Built a ChromaDB retrieval layer that adds relevant past analyses to the SQL Engineer's prompt as context; packaged with Docker for deployment on Hugging Face Spaces.

Skills: Groq (LLaMA 3.3), ChromaDB, Streamlit, SQL, Docker

Education

University of Illinois Urbana-Champaign — **Champaign, IL**

M.S. in Business Analytics — *Aug 2025 – May 2026*

Coursework: Data Science and Analytics (BADM 576), Enterprise Database Management (BADM 554), Data Storytelling (BDI 513)

University of Delhi, Sri Venkateswara College — **Delhi, India**

B.A. (Honours), English — *Dec 2020 – May 2023*

Certifications: Bloomberg Market Concepts (BMC) • PL-300 Power BI (Udemy) • Tableau 2024 A-Z (Udemy) • SQL for Data Science (Great Learning)