

Ashutosh Rana

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SUMMARY

Automation-focused data analyst who gets into business problems and builds the tools and AI agents that make manual work disappear. Cut a 3-4 hour pricing audit to about one minute, turned hours of team work into minutes with LLM workflows, and delivered leadership-adopted Power BI reporting across 475K+ SKUs. M.S. in Computer Science (AI and Machine Learning) expected December 2026.

TECHNICAL SKILLS

- AI & Automation:** OpenAI API, Gemini API, tool-calling AI agents, prompt engineering, LLM workflows, Power Automate, Power Apps
- Languages & Data:** SQL, Python (Pandas), SQLite, Excel (Power Query, pivot modeling), data cleaning, forecasting
- BI & Visualization:** Power BI, Tableau, KPI dashboards, executive reporting, CLV, CAC, and cohort analysis
- Platforms & Tools:** NetSuite, BigCommerce, Celigo, Git, GitHub, VS Code, ChatGPT, Grok

PROFESSIONAL EXPERIENCE

United Aqua Group

Mar. 2025 – Jan. 2026

Product Data Analyst | Jun. 2025 – Jan. 2026

Las Vegas, NV

- Built a pricing discrepancy detection system (Python/Pandas, SQL, Excel) that flags vendor price mismatches against the system of record and drafts analyst-reviewed vendor emails via the OpenAI API, cutting manual case handling from 3-4 hours to about 1 minute per cycle.
- Designed LLM-driven catalog enrichment workflows for search keywords, descriptions, and image mapping across a 475K-SKU catalog, leading a 3-person team executing them.
- Created reusable prompt engineering frameworks codifying business rules (SKU formatting, UOM logic, category mapping), cutting routine work for non-technical staff from hours to minutes.
- Developed a Power BI sales and pricing dashboard spanning 475K+ SKUs, adopted by leadership for weekly pricing and margin reviews.
- Partnered with IT to optimize Celigo integration workflows, accelerating BigCommerce to NetSuite product syncs by 40%.

Business Support Specialist | Mar. 2025 – Jun. 2025

- Cleaned and validated vendor pricing files of 500 to 5,000+ SKUs, cutting pricing mismatches about 30% and upload rejections 15%+, and audited 30+ invoices weekly.

Healthy Delights

Oct. 2022 – Feb. 2025

Business Data Analyst | Aug. 2023 – Feb. 2025

Remote

- Delivered Power BI dashboards, Power Apps, and Power Automate flows used across the company, automating recurring processes for every major business function.
- Built KPI reporting covering revenue, CAC, CLV, cohort behavior, and retention, informing executive decisions and improving repeat purchase rate.
- Wrote and optimized SQL for analysis and validation, developed forecasting and inventory models that improved gross margin, and managed 3 interns.

Junior Analyst | Oct. 2022 – Jul. 2023

- Centralized cost and inventory data for 50+ items into structured Excel trackers (3x faster reporting) and cleaned 6+ months of order history, cutting pricing errors about 25%.

TECHNICAL PROJECTS

AI Data Analyst Agent

Python, Gemini API, tool-calling agents

- Autonomous agent that answers plain-English questions by writing and executing its own SQL, recovering from its own errors, and explaining results, with read-only guardrails and a transparent decision log.

Pricing Discrepancy Detection Tool

Python, Pandas, OpenAI API

- Invoice auditing tool that flags overcharges against contract prices (\$5,810 caught on sample data), exports exception reports, and drafts vendor correction emails with an LLM.

Retail Marketing Campaign Analysis

SQL, SQLite, Tableau

- Analyzed 2.6M retail transactions across 2,500 households, separating real campaign lift from selection bias, and delivered targeting recommendations in an interactive Tableau dashboard.

EDUCATION

Western Governors University | M.S., Computer Science (AI/ML)

Expected Dec. 2026

University of Nevada, Las Vegas | B.S., Hospitality Management

Dec. 2024

Concentration: Entertainment Business Management