

Aaron Christian

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SUMMARY

AI Data Analyst with experience designing and deploying agentic AI pipelines and prototype solutions using Python and the ability to translate business needs into AI-driven workflows, cutting manual review cycles by up to 60% and improving content quality by 35%.

SKILLS

- **Languages & Databases:** Python, Pandas, SQL, Snowflake, DuckDB, Redis, Neo4j, MongoDB, JSON
- **BI & Visualization:** Power BI, DAX, Power Query, Looker Studio, Tableau, Excel, Grafana, Prometheus, Dashboard Automation, Metric Layer / Semantic Layer
- **AI & Data Engineering:** Large Language Models, Multi-agent systems, RAG, ETL Pipelines, API Integration, Selenium, OpenAI API, FastAPI, Vector Databases, Pinecone, Qdrant, Docker, GitHub
- **Analytics:** KPI Reporting, Funnel Analysis, Cohort Analysis, A/B Testing, Attribution Analysis, Forecasting, EDA
- **Business & Reporting:** Stakeholder Reporting, Data Storytelling, Variance Analysis, Requirements Gathering, Process Improvement, Workflow Automation

EXPERIENCE

SDSU - Research Foundation

Nov 2025 - Present

Generative AI Research Assistant

San Diego, United States

- Launched an AI educational platform using LangChain orchestration, accelerating interactive lesson production by 50% and improving content quality scores by 35%.
- Designed a 5-node LangGraph pipeline (planner → generator → critic → safety → render) for AI-generated educational content, cutting manual review cycles by 45% via automated critique and validation.
- Deployed retrieval-augmented generation (RAG) based routing and benchmarked 4 LLMs, improving content accuracy by 40% and reducing hallucination-driven revision cycles by 30%, and supported QA by validating outputs.
- Converted research objectives into sprint KPIs and milestones, reducing planning overhead by 20% and accelerating cross-functional delivery by 2 weeks.

Xdge AI

Jun 2025 - Aug 2025

Data Analyst Intern

San Jose, CA

- Built a unified analytics layer consolidating scraped, product, marketing, and behavioral data using Python and SQL, eliminating 6+ hrs/week of manual cross-source reconciliation for leadership.
- Standardized UTM taxonomy and validated GA4 event tracking via GTM, improving attribution accuracy by 30% and surfacing top acquisition channels.
- Conducted EDA and cohort/funnel analysis using Python, Selenium, reducing manual data consolidation by 40% and accelerating campaign reporting cycles by 3 days.
- Presented attribution KPIs to leadership, directly informing budget reallocations that improved campaign efficiency by 15%.

Lyseis Technologies

Jan 2023 - Jul 2024

Data Analyst

Mumbai, India

- Gathered business requirements developed dashboards in Power BI using measures tracking 12+ sustainability KPIs across 3 business units, replacing ad hoc spreadsheet reporting and enabling weekly trend reviews by senior leadership.
- Engineered ETL pipelines from 4+ sources, improving operational efficiency by 40% and eliminating manual reconciliation errors.
- Designed variance analysis dashboards modelling 8+ sustainability KPIs, reducing issue detection time by 30% and enabling quarterly compliance reviews.
- Standardized data validation and governance controls, improving data accuracy by 35% and reducing inconsistencies by 25%.

PROJECTS

Mertic Mind | Governed Text-to-SQL Analytics Copilot [Github](#)

Tools: Python, LangGraph, dbt, DuckDB/Snowflake, FastAPI, React, Tableau, Prometheus, Grafana

- Created a governed analytics copilot that converts natural-language business questions into SQL using certified dbt metric definitions, reducing metric drift and preventing unsupported AI-generated answers.
- Implemented a 5-node LangGraph pipeline for intent routing, guardrail checks, SQL generation, query execution, and plain-English responses with eval tracking and observability dashboards.

LedgerLens | Multimodal Document Intelligence + GraphRAG [Github](#)

Tools: Claude Vision, Pydantic, Neo4j, LangGraph, FastAPI, React, Docker

- Built an invoice intelligence system that extracts structured invoice fields from scanned documents using Claude Vision, Pydantic validation, confidence scoring, and human-review routing.
- Loaded supplier, invoice, PO, and line-item relationships into Neo4j and used GraphRAG to answer audit-style multi-hop questions with traversal-based evidence.

SearchIQ | Multi-Agent Business Workflow Automation [Github](#)

Tools: Python, Claude, Streamlit, JSON Schemas, Google Sheets API, CSV Export

- Built a multi-agent workflow that converts hiring briefs into market maps, candidate profiles, AI-evaluated recommendations, and export-ready Google Sheets/CSV outputs.
- Added schema-validated agent contracts, retry logic, prompt versioning, logging, and a critic agent to evaluate output quality before final export.

EDUCATION

San Diego State University

Aug 2024 - May 2026

Master's Degree, Information Systems (GPA: 3.7/4.0)

San Diego, CA

- **Coursework:** Enterprise DBMS, Business Analytics, Program Management, Global Supply Chain Management, Financial Analytics

DY Patil College of Engineering

May 2024

Bachelor of Technology, Computer Science and Business Systems (GPA: 3.8/4.0)

Navi Mumbai, India

- **Coursework:** Design Thinking, Operation Research, Financial Management, Enterprise Systems, Business Strategy

CERTIFICATIONS

- Data Science Certificate: SDSU
- Foundations of Project Management: Google
- Entrepreneurship Essentials: Harvard Business School

PUBLICATIONS

- Hybrid Approach for Optimizing Website Usability Using FULE Methodology. *Multidisciplinary Review*, 2025
- LLM2Manim: Pedagogy-Aware AI Generation of STEM Animations. *Arxiv*, 2026