

ADITYA BHOLLA

ANALYTICS ENGINEER | DATA ENGINEER

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SUMMARY

Analytics Engineer with 7+ years building enterprise data platforms, governed semantic models, and AI-powered analytics products. Expertise in SQL, Python, Microsoft Fabric, Snowflake, Palantir Foundry, Power BI, ETL/ELT, dimensional modeling, RAG, and AI-agent evaluation.

TECHNICAL SKILLS

Data Engineering: ETL/ELT, Data Pipelines, Data Integration, Data Warehousing, Lakehouse Architecture, Dimensional Modeling, Semantic Modeling, Data Quality, DBT, CI/CD

Languages: SQL, Python, TypeScript, DAX, R

Cloud & Data Platforms: Microsoft Fabric, Palantir Foundry, Snowflake, SAP, AWS S3, AWS Athena, Oracle Fusion Cloud, PostgreSQL, MySQL

AI Engineering: Microsoft Copilot Studio, AI Agents, Retrieval-Augmented Generation (RAG), Model Context Protocol (MCP), Prompt Engineering, Intent Routing, LLM Evaluation, Semantic Model Contracts, LangChain, AWS Bedrock, Vector Databases

Analytics: Power BI, Power Query, Tableau, Oracle BIP, OTBI, ArcGIS

Python & Applications: Pandas, NumPy, Scikit-learn, Plotly, Streamlit, Flask, REST API, FAST API

PROFESSIONAL EXPERIENCE

Analytics Engineer | PG&E | Oakland, CA | Jun 2024 - Present

- Engineered end-to-end ETL/ELT pipelines integrating financial, operational, work-management, and productivity data into a Microsoft Fabric Lakehouse; built an enterprise Power BI semantic model over curated data to deliver governed metrics for 50+ Operations Analysts, executive reporting, self-service analytics, and downstream AI workflows.
- Designed and deployed an enterprise AI analytics agent in Microsoft Copilot Studio connected to governed Power BI semantic models, combining Retrieval-Augmented Generation (RAG), intent-aware querying, prompt engineering, and reusable intent libraries to analyze enterprise metrics, generate contextual visualizations, and surface driver-based and predictive insights.
- Built AI reliability and context-engineering controls including semantic-model contracts, dynamic variables, FAQ-based evaluation suites, response validation, and token-optimization automations to improve answer accuracy, consistency, and efficiency.
- Automated weekly Outlook intelligence workflows that identify and distribute high-cost, high-labor-hour work orders to Operations Analysts for proactive investigation, converting governed semantic-model insights into repeatable operational actions.
- Owned and served as SME for enterprise Productivity and Finance analytics products supporting Electric Distribution Operations, defining KPI logic and reusable DAX/semantic-model patterns used by Finance, Operations, and leadership for performance management.
- Engineered enterprise productivity measurement logic across cost, labor hours, work completion, throughput, and financial performance, translating complex operational business rules into reusable semantic measures consumed across executive and operational reporting.
- Designed reusable data transformations and business-rule mappings across heterogeneous operational and financial source systems, standardizing work, cost, labor, organizational, and productivity dimensions into a governed analytics layer.
- Created Palantir Foundry Ontology objects for the Report IT application, modeling operational entities and relationships to support governed, reusable data access and application-driven analytics.

Business Intelligence Engineer | CapMetro / SOAL Tech | Austin, TX | Sep 2021 - May 2024

- Delivered 27+ enterprise analytics products across Finance, HR, and Supply Chain using Power BI and Oracle BIP, translating stakeholder requirements into reusable data models, SQL logic, and executive reporting.
- Built an executive financial analytics solution in Oracle Fusion Cloud by integrating six functional areas, including Purchasing, Inventory, Accounts Receivable, and Accounts Payable, using advanced SQL and enterprise data modeling.
- Developed an end-to-end transit performance data workflow using Azure Data Factory for ETL, Snowflake for cloud data warehousing, and Power BI for executive and public KPI reporting.
- Partnered with the ArcGIS team on geospatial analytics and dashboarding to support transit-route performance and optimization.

Business Intelligence Analyst | Pro Football Focus | Remote | Jul 2020 - Aug 2021

- Built a Premier League analytics product using Python, Pandas, and Tableau, contributing to 4.5-star client reviews on the company's SaaS platform.
- Developed performance-quality analytics to monitor data-entry accuracy and operational throughput, improving efficiency by 18%.
- Optimized analytics workflows for Data Scientists using AWS S3 for storage, Python for preprocessing, and AWS Athena for serverless SQL analysis.

SELECTED PROJECTS

Advanced RAG Application | Python, LangChain, AWS Bedrock, Vector DB, Streamlit | [GitHub](#)

Goalkeeper Scouting Web App | Python, Pandas, Scikit-learn, Plotly, Streamlit | [Live App](#)

Transit Transparency Dashboard | Snowflake, Azure, Power BI | [Live Dashboard](#)

EDUCATION & CERTIFICATIONS

Bachelor's in Information Systems | Kalinga University, Raipur, India

Certifications: Azure Data Engineer Associate | Google Data Analytics Certificate | Maven Analytics Power BI Certificate

Additional Education: CSUEB | Ohlone College