ARYAMAN

Consultant - Data Engineering | Python, Analytics and AI

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PROFESSIONAL SUMMARY

Python and analytics professional with 2+ years of experience at Eli Lilly designing production data applications, programmatic dashboards, automated reporting pipelines, and reusable analytical frameworks. Built solutions used by 20+ engineers, 60+ analytics professionals, and 30+ US-based business stakeholders; maintained pipelines processing approximately 5 billion records across 10+ data products. Strong in Python application development, SQL, data visualization, data warehousing, AI-assisted development, and translating stakeholder requirements into clear, actionable insights.

CORE SKILLS

Programming: Python, Object-Oriented Programming, Flask, Streamlit, FastAPI, pandas, NumPy, Matplotlib
Dashboards: Power BI, Interactive Dashboards, Code-Driven Dashboards, KPI Reporting, Data Visualization
Analytics: SQL, Data Analysis, Insight Generation, Parameterized Queries, Automated Reporting
Data Platforms: PostgreSQL, Amazon Redshift, Databricks, Delta Lake, Unity Catalog, Data Modeling
Data Engineering: ETL, Schema Governance, Prefect, Databricks Jobs, Data Warehousing
Development Practices: Git, GitHub Actions, CI/CD, Pull Requests, Code Reviews, Shared Codebases
AI and Automation: LLMs, Claude Code, AI-Assisted Development, RAG, Generative AI, NLP
Collaboration: US Stakeholder Collaboration, Cross-Time-Zone Communication, Requirements Translation, Agile

PROFESSIONAL EXPERIENCE

Eli Lilly and Company | Bengaluru, India | Jan 2024 - Present

Consultant - Data Engineering | Dec 2025 - Present

- Built and deployed a Python/Streamlit DDL governance application using sqlglot to parse, normalize, validate, and auto-remediate SQL schemas against Databricks and Unity Catalog standards; adopted by 20+ engineers and 60+ analytics professionals, reducing table standardization from 30 minutes to 3 seconds.
- Own end-to-end maintenance of multiple production data pipelines processing approximately 5 billion records across 10+ data products on weekly, monthly, and quarterly cadences; orchestrate workloads with Prefect and Databricks Jobs and deploy across environments through GitHub Actions.
- Migrated legacy Redshift ETL pipelines to atomic MERGE-based Delta Lake loads across development, QA, and production, eliminating data integrity risks and improving deployment reliability.
- Engineered 11 Claude Code slash commands for a multi-agent DDL governance workflow with builder/reviewer stages, human-in-the-loop quality gates, automated pull request creation, squash-merge detection, and branch-promotion enforcement.
- Enabled 20+ team members across multiple teams to respond faster to US-based stakeholder requests by conducting code reviews, sharing 15+ reusable Claude Code skills, and configuring CI/CD, Databricks MCP, and GitHub Actions workflows.
- Recognized at the Town Hall for delivering tooling identified as foundational to Eli Lilly's AI-ready Data Engineering initiative.

Associate - BI&A Product Analytics | Jan 2025 - Dec 2025

- Automated 85% of a manual weekly targeting workflow for US-based business stakeholders by redesigning interactive dashboards with parameterized SQL queries; reduced report generation from 8 hours to under 15 minutes and accelerated delivery of stakeholder insights.
- Shipped four analytics products ahead of schedule; each was used weekly by 30+ stakeholders, and the Product Hub design was adopted as a template by other BI&A teams.
- Built Flask-based full-stack applications and reusable Python data frameworks that enabled the team to independently deliver product interfaces, reduced time-to-insight for new requests by 60%, and lowered HCP support tickets by 40% through embedded AI chatbots.
- Earned Quarterly MVP recognition at the Town Hall for product delivery, cross-team collaboration, and technical upskilling.

Associate - BI&A Neuroscience Analytics | Jul 2024 - Dec 2024

- Built a full-stack self-service analytics application with Flask, PostgreSQL, and Power BI for 40+ neuroscience researchers, eliminating a custom report backlog and enabling on-demand data visualization without analyst intervention.
- Standardized recurring analytics across neuroscience and immunology teams through reusable SQL and Python templates, reducing time to insight by 50%.
- Deployed three therapeutic-area chatbots with embedded knowledge bases, handling 60%+ of repetitive queries and improving access to critical business data.

Intern - BI&A Immunology Analytics | Jan 2024 - Jul 2024

- Segmented 60,000+ healthcare professionals using clustering and behavioral analysis, enabling targeted campaigns that improved engagement conversion by 28% across three therapeutic programs.
- Replaced manual reports with parameterized Power BI dashboards, reducing report generation time by 70% and improving analytics reliability from 82% to 96% through data maturity assessment.

EDUCATION

Manipal Institute of Technology | 2020 - 2024
B.Tech in Data Science and Engineering | GPA: 8.27 / 10