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Top Skills

Healthcare Analytics
Electronic Medical Record (EMR)
Electronic Health Records (EHR)

Languages

Tamil (Limited Working)
Telugu (Native or Bilingual)
English (Native or Bilingual)
Hindi (Full Professional)

Certifications

Deep Learning Specialization
Data Structures and Algorithms in Java
The Web Developer Bootcamp
Spring and Spring Boot

Honors-Awards

Pivot Polaris

Rohit Kamineni

MS in Business Analytics & Project Management, University of Connecticut | Former Kroger | Data Engineer | Data Analyst | Data Science & ML Enthusiast | Cloud Tech Advocate | BITS Pilani, Hyderabad
King of Prussia, Pennsylvania, United States

Summary

I'm a results-driven Data Engineer with over four years of experience building scalable data and machine learning solutions across cloud-native enterprise environments. My work has consistently focused on transforming business processes through automation, real-time analytics, and data-driven decision-making.

At Kroger Technology, I led high-impact initiatives that included building real-time data pipelines on Databricks and Airflow, deploying MLOps workflows on Vertex AI, and architecting cost-optimized data lakes on GCP. These efforts drove measurable improvements in personalization accuracy, model reliability, and BI delivery speed—empowering marketing and operations teams to make faster, data-informed decisions.

I bring a strong foundation in Python, SQL, Spark, Kafka, and dbt, with hands-on expertise across GCP, AWS, and Kubernetes. I've built and scaled production-grade pipelines, embedded observability into critical systems, and helped streamline model retraining cycles through CI/CD and MLOps practices.

Having recently completed my Master's in Business Analytics and Project Management from the University of Connecticut, I combine technical depth with a strategic mindset—translating complex data challenges into scalable solutions that align with organizational goals. My background as a Software Engineer further strengthens my ability to bridge data systems and product design, delivering solutions that are both technically sound and business-aware.

Core Tools & Technologies: Python, SQL, PySpark, Kafka, Airflow, BigQuery, Databricks, dbt, Tableau, Power BI, GCP, AWS, Kubernetes, Vertex AI

Experience

RN Infusion
Data and Business Insights Analyst
August 2025 - Present (4 months)
Malvern, Pennsylvania, United States

Designed the company's centralized cloud data platform for EMR, scheduling, and billing systems.

Digitized historical and active clinical records into secure, compliant, queryable datasets.

Built real-time BI dashboards for scheduling, patient outcomes, inventory usage, and revenue cycle metrics.

Automated reporting and implemented data governance workflows, improving accuracy and reducing manual work.

Ensured HIPAA compliance by maintaining secure access, audit logs, and proper documentation.

Supported business growth through forecasting, trend analysis, and referral insights across multi-county operations.

JerseySTEM
Data Engineer
March 2025 - July 2025 (5 months)
Hartford, Connecticut, United States

Engineered and maintained ETL pipelines using Integrate.io and Fivetran to streamline data ingestion across multiple internal tools and cloud platforms.

Built automated dashboards in Looker and SQL Warehouse to track operational KPIs, program impact, and volunteer engagement metrics for executive stakeholders.

Optimized data workflows through advanced Excel processing and SQL transformations, reducing manual reporting efforts and improving data accuracy by 40%.

Integrated applicant tracking data from iCIMS, Salesforce to support analytics on recruitment funnels and volunteer lifecycle tracking.

Contributed to developing a centralized data engineering strategy, leveraging GitHub for version control and agile collaboration across teams.

Ananda
Technology Consultant Intern
August 2024 - December 2024 (5 months)
Hartford, Connecticut, United States

Implemented and evaluated AI models to build and optimize chatbot interactions and enhance user engagement for a cryptocurrency-focused platform.

Analyzed crypto trading signals to uncover optimal trading strategies using predictive analytics, technical indicators, and risk frameworks.

Translated analytical insights into actionable recommendations and contributed to a strategic AI roadmap for client-facing solutions.

Accomplished the integration of analytical insights from the cryptocurrency trading signals with the chatbot.

UConn Health
Peer Counselor
June 2024 - December 2024 (7 months)
Farmington, Connecticut, United States

Providing mentorship and guidance to high school students interested in health professions. My responsibilities include mentoring, assisting with educational activities, leading field trips, and ensuring a supportive and enriching experience for participants.

University of Connecticut, Department of Dining Services
Student Employee
October 2023 - September 2024 (1 year)
Storrs, Connecticut, United States

Assisting in the daily operations of UConn's dining services, I ensure efficient service and a positive dining experience. My role involves multitasking across various stations, maintaining high standards of hygiene, and providing

excellent customer service, contributing to the smooth functioning of the department.

Kroger Technology & Digital
3 years 11 months

Data Engineer
August 2019 - June 2023 (3 years 11 months)
Bengaluru, Karnataka, India

- Designed and deployed real-time ETL pipelines using PySpark, Databricks, and Airflow, processing over 2TB/day of product interaction logs—boosting personalization accuracy across Kroger's digital storefront by 23%.

- Built a GCP-based data ingestion framework integrating Kafka, REST APIs, and GCS for sub-minute latency analytics, enabling marketing and ops teams to run scalable ML workloads in BigQuery.

- Architected a cost-effective data lake solution with GCS, Dataflow, and Glue Catalog, reducing pipeline failures by 30% and improving report turnaround times from hours to minutes.

- Led MLOps initiatives for sales and loyalty models using Vertex AI; implemented CI/CD pipelines and automated retraining workflows, reducing model drift by 18% and cutting deployment cycles by 60%.

- Created reusable SQL and dbt models for SCD Type-2 handling, aggregation logic, and anomaly detection—automating weekly reports and saving ~60 engineer hours/month.

- Developed Tableau dashboards connected to BigQuery datasets, empowering 50+ category managers to visualize customer behavior and SKU trends across 100+ stores.

Recognition & Leadership:
- Recognized with the Pivot Polaris Award for high-impact engineering delivery.
- Conducted 300+ interviews for technical hiring across SDE and Data Engineering roles.
- Mentored 20+ interns across two cohorts; 80% received full-time offers or project extensions.

Software Development Engineer

August 2019 - December 2019 (5 months)
Bengaluru, Karnataka, India

- Supported 15M+ daily API requests by building and scaling the SpringBoot-based "Products BFF" microservice, facilitating critical e-commerce functionality across Kroger's online platform.

- Migrated legacy services to a 3-tier architecture on On-Prem Kubernetes, embedding observability hooks and improving SLA tracking by 40%.

- Developed the "Radon" framework for the Java services team, enabling annotation processing, Kafka support, and CI/CD standardization across multiple engineering squads.

- Authored robust technical documentation and onboarded new engineers to internal frameworks and deployment workflows.

Tcube
Data Engineer
January 2019 - June 2019 (6 months)
Hyderabad, Telangana, India

- Built Python- and SQL-based batch pipelines to aggregate logistics data from multiple carriers, improving data availability and quality for downstream analytics.

- Automated ingestion and cleansing of operational data in collaboration with ERP consultants, leading to real-time KPI dashboards that accelerated warehouse and transport decision-making.

Carborundum Universal Limited
Summer Intern
May 2017 - July 2017 (3 months)
Chennai, Tamil Nadu, India

Developed an innovative safety alert system at Carborundum Universal Limited, leveraging Arduino and GPS modules to ensure real-time location tracking and hazard alerts. Demonstrated the project's large-scale implementation potential, presenting a comprehensive analysis to senior management. This initiative highlighted the system's ability to enhance workplace safety and efficiency, positioning it as a key solution for broader adoption within the company's operations.

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Education

University of Connecticut
Master's degree, Business Analytics And Project Management · (August 2023 - December 2024)

Birla Institute of Technology and Science, Pilani
Bachelor of Engineering - BE (Hons.), Electronics and Communications Engineering · (January 2015 - June 2019)