SRIJEETH REDDY K

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SUMMARY

Dynamic Business Intelligence Analyst with 4+ years of optimizing data ecosystems and transforming raw data into operational insights, accelerating data-driven strategies for enterprise decision-making.

EXPERIENCE

Business Intelligence Analyst

Cook Children's Healthcare(Remote)   January 2024 - Present, Fort Worth, TX

- Reduced data pipeline latency by 30% by engineering Azure Data Factory and Databricks ETL workflows, enabling real-time KPI monitoring (e.g., HEDIS-10 vaccination rates) to meet AHRQ, TJC, and state compliance deadlines.
- Slashed reporting costs by 20% by migrating legacy tools to Power BI, while automating dashboard deployments via Azure Blob Storage and Azure Functions, delivering insights 35% faster for infection prevention decisions.
- Identified vaccination disparities using ANOVA/Kruskal-Wallis tests, driving targeted programs that improved underserved population coverage by 15% (aligned with AHA benchmarks).
- Implemented Power BI role-level security (RLS) and validation frameworks for Epic/ClarityDB integrations on Azure, reducing reporting errors by 40% and ensuring audit-ready compliance.

Skills

Technical: *Azure Data Factory, Databricks, Spark, SQL, Python (Pandas, NumPy, SciPy), Snowflake, Hadoop (HDFS, Hive), Statistical Analysis (ANOVA, t-tests)*
BI Tools: *Power BI, Looker, SSRS, Tableau*
Cloud/ETL: *Azure (Blob Storage, Functions, DevOps), ETL Pipelines, Data Warehousing*
Healthcare Systems: *ClarityDB, Epic, HL7, HEDIS Measures*
DataOps: *Data Validation, Role-Level Security (RLS), Agile (JIRA/Confluence)*

Data Science Intern

Scot Forge   May 2023 - December 2023, Spring Grove, IL

- Boosted operational efficiency 15% by deploying AWS Lightsail predictive models (Python/SQL) to optimize manufacturing parameters and streamline data collection for predictive maintenance.
- Engineered ETL pipelines (Pandas/SQL) and performed EDA to identify critical KPIs, reducing data prep time by 20% for process improvement initiatives.
- Improved model accuracy by 25% via feature engineering and hyperparameter tuning (RMSE/MAE), enabling actionable insights for engineers on production-line adjustments.
- Automated data workflows on AWS (EC2/S3/RDS) to accelerate model deployment and support real-time monitoring of manufacturing metrics.

Skills

Technical: *Python, SQL, AWS (Lightsail, EC2, S3, RDS), Pandas, Predictive Modeling, ETL*
ML: *Feature Engineering, Hyperparameter Tuning, Ensemble Methods, RMSE/MAE*

Software Engineer

Accenture   April 2019 - January 2022, Hyderabad

- Processed 178TB/day of IoT sensor data (Google Dataproc/PySpark), improving pipeline efficiency by 30% and enabling predictive maintenance models that reduced equipment downtime by 15% for Kubota's global machinery fleet.
- Engineered SQL/PySpark jobs with partition pruning and clustering strategies, accelerating query times by 25% and empowering operations teams to analyze manufacturing line efficiency metrics 3x faster.
- Built Looker dashboards (LookML) with drill-through analytics, improving executive decision-making speed by 20% for supply chain and inventory planning. Migrated legacy tools to Looker, cutting reporting costs by 20% while enabling 35% faster stakeholder engagement via automated cloud deployments.
- Orchestrated Airflow/Cloud Composer pipelines and hybrid batch/streaming workflows (Dataflow), reducing pipeline failures by 40% and delivering near real-time equipment health insights to field technicians.

Skills

Cloud & Big Data: *Google Cloud (Dataproc, BigQuery, Dataflow, Composer/Airflow), PySpark, SQL (Window Functions, Partitioning), ETL/ELT*
BI & Visualization: *Looker (LookML, Embedded Analytics), Real-Time Dashboards, Drill-Down/Drill-Through Reporting*
Data Engineering: *IoT Data Pipelines, Streaming/Batch Architecture, Partitioning/Clustering, UDFs, Data Modeling*
Other Skills: *IoT Analytics, Predictive Maintenance, Manufacturing/Supply Chain Optimization*

PROJECTS

mavMarket   January 2023 - May 2023

- Developed a marketplace website called 'mavmarket' using NodeJS and ReactJS, with functionalities including user authentication, product listing, search and filter, cart management, payment integration, and order tracking.

Flight Price predictor   August 2022 - January 2023

- Built KNN classifiers and Decision trees to predict the best possible days of a month to book a flight ticket at a cheap price, throughout the year. Used consistent Datasets for training, testing, validation which resulted in an accuracy of 91%. Created a web application using NodeJS, React.js..

EDUCATION

Master of Science - Computer science and Mathematics
University of Texas at Arlington • Arlington, TX • 2023 • 3.6

Bachelor of Technology
Osmania University • Hyderabad, Telangana • 2019 • 8.01

SKILLS

PROGRAMMING LANGUAGES: *SQL, Java, Python, Scala, JavaScript*
LIBRARIES/FRAMEWORKS: Pandas, Numpy, Scipy, Pytorch, Tensorflow, Matplotlib, Seaborn, *Spark SQL, PySpark, and Apache Airflow, ReactJS, D3, Tailwind CSS*
DATABASE: *MySQL, MongoDB, Oracle, PostgreSQL*
VISUALIZATION: *Looker, PowerBI, Tableau, SSRS, MS Suite*
CLOUD: *GCP(Google Cloud Dataproc, Google Cloud Storage, BigQuery, Delta Lake, Cloud Composer, Cloud Dataflow, and IAM), AWS Glue, Databricks, AWS (Lightsail, EC2, S3, RDS)*
OTHERS: *BigQuery, Eclipse, PyCharm, Wordpress, HDFS,Kafka,Snowflake,Azure Databricks,Azure Data Factory,Azure Logic Apps,Azure Functions,Azure Blob Storage,Azure Data Lake Analytics (ADLA)*