

Mahesh Chilukamari

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Professional Summary

Data Analyst and Computer Science graduate student with expertise in SQL, Python, data visualization, and business intelligence. Experienced in data validation, cleansing, transformation, and exploratory data analysis using SQL, Python, Apache Spark, and analytical frameworks. Skilled in developing dashboards, KPI reporting, and data-driven solutions that support operational and strategic decision-making. Proficient in Power BI, Tableau, Pandas, PySpark, and cloud-based data platforms. Strong ability to translate complex datasets into actionable insights through effective reporting, visualization, and stakeholder communication. Seeking Data Analyst, Business Analyst, Analytics Engineer, or Data Engineering opportunities.

Education

University of North Texas | Denton, TX

May 2026

Master of Science – Computer Science

Relevant Coursework: Computer Algorithms, Software Engineering, Big Data and Data Science

Osmania University | Hyderabad, India

June 2023

Bachelor of Engineering – Information Technology

Skills

Data Analytics:

SQL, Python, Pandas, NumPy, PySpark, Data Validation, Data Cleansing, Data Transformation, Exploratory Data Analysis (EDA)

Business Intelligence:

Power BI, Tableau, KPI Development, Dashboard Development, Data Visualization, Reporting, Business Analytics

Data Engineering:

ETL Pipelines, Data Modeling, Batch Processing, Data Governance, Data Quality Assurance

Big Data:

Apache Spark, Hadoop, Hive, Databricks, AWS EMR, Apache Airflow, Kafka

Databases: MySQL, MongoDB

Tools: Excel, Power Query, Git, Linux

Experience

Student Assistant – Asset Management | Inventory Analytics & Operations

University of North Texas | Denton, TX

May 2025 – May 2026

- Managed and analyzed inventory datasets for 1,000+ technology assets, ensuring data accuracy and consistency across university systems.
- Performed data validation, cleansing, and reconciliation to identify discrepancies and improve inventory reporting accuracy.
- Developed operational reports and dashboards using Excel to support asset lifecycle tracking and decision-making.
- Conducted trend analysis on asset utilization, inventory movement, and equipment deployment data.
- Collaborated with multiple departments to maintain data integrity and support business operations.
- Assisted in process improvement initiatives by identifying inefficiencies and recommending data-driven solutions.
- Supported data governance and quality assurance processes by maintaining accurate asset records and validating inventory datasets.
- Communicated analytical findings and operational insights through reports and data summaries to support decision-making.

SV Global Solutions | Hyderabad, India

June 2019 – Dec 2019

Intern

Project: Restaurant Management System

- Contribute to all stages of development, testing, and debugging for optimal performance and security.
- Developed and maintain front-end, back-end, and integrations with payment gateways, POS, and third-party platforms.
- Design and implement server-side logic, RESTful APIs, and database schema while ensuring integrity and performing CRUD operations.
- Manage orders, reservations, inventory, and billing on the backend, optimizing database queries for high performance and low latency.
- Developed test plans and test cases to validate all components of the project and ensure seamless functionality.

Tele paradigm Network Ltd. | Hyderabad, India

Nov 2022 – Jan 2023

Intern

Project: Flight Fare Prediction

- Collected, cleaned, transformed, and analyzed large flight datasets using Python and SQL for predictive modeling.
- Performed exploratory data analysis (EDA) to identify pricing trends, seasonal patterns, and demand fluctuations.
- Developed forecasting models using Random Forest Regression and analytical techniques to predict flight pricing trends and support business decision-making.
- Validated and optimized analytical models to improve prediction accuracy and business decision support.

- Presented analytical findings through visualizations and business reports for stakeholder review.

Certifications

- Google Data Analytics Professional Certificate | Google | 2025
- IBM Cybersecurity Analyst Professional Certificate | IBM | 2026
- Salesforce Developer Virtual Internship | Salesforce
- Tata GenAI Powered Data Analytics Job Simulation | Forage
- Deloitte Data Analytics Job Simulation | Forage
- Accenture Software Engineering Job Simulation | Forage

Project Experience

Forecast for the 24-Hour Le Mans Race | *Apache Spark, Hadoop, Hive, AWS EMR*

Aug 2023 – Oct 2023

- Processed large-scale structured and semi-structured datasets using Apache Spark, Hadoop, Hive, and AWS EMR.
- Built data transformation workflows to support analytical reporting and performance forecasting.
- Performed trend analysis and anomaly detection on race telemetry and operational datasets.
- Developed data-driven insights and visualizations to support strategic decision-making and optimization.
- Utilized distributed processing frameworks to improve analytical query performance and scalability.

Kubernetes Deployment Project

- Designed an end-to-end analytics dashboard using SQL, Python, and Power BI to monitor sales KPIs and business performance.
- Built and maintained ETL data pipelines to extract, validate, transform, and load business data from multiple sources.
- Created interactive dashboards tracking revenue, profitability, customer behavior, and operational performance metrics.
- Performed exploratory data analysis (EDA) to identify trends, anomalies, and business opportunities, improving reporting efficiency.
- Developed KPI frameworks and business reports to support strategic decision-making and executive reporting.

Sales Performance Analytics Dashboard

- Designed an end-to-end analytics dashboard using SQL, Python, and Power BI to monitor sales KPIs and business performance.
- Built automated ETL workflows to clean, validate, and transform data from multiple sources.
- Created interactive dashboards tracking revenue, profit, customer behavior, and operational performance.
- Performed exploratory data analysis and generated actionable insights that improved reporting efficiency.
- Developed KPI frameworks and business reports to support executive decision-making.