

Charitha Kammari

Data Analyst

Harrison, NJ | (551) 358-8663 | charithak0606@gmail.com | <https://www.linkedin.com/in/charithakammari06/>

Summary

- Results-driven Data Analyst with 3+ years of experience in data analysis, data mining, statistical modeling, A/B testing, machine learning applications, data visualization, and ETL pipeline optimization to drive business insights and decision-making.
- Expert in SQL and NoSQL databases, including PostgreSQL, MySQL, MS SQL Server, Oracle, MongoDB, and DynamoDB, with proficiency in writing complex queries, stored procedures, triggers, CTEs, and window functions to extract actionable insights.
- Strong data visualization skills with Tableau, Power BI, and Python (Matplotlib, Seaborn, Plotly), delivering interactive dashboards and compelling reports to support data-driven strategies.
- Advanced Excel capabilities, including PivotTables, Power Query, VLOOKUP, and complex formulas, to efficiently clean, manipulate, and analyze large datasets.
- Proficient in Python for data analytics, employing Pandas, NumPy, Scikit-learn, and SciPy for data preprocessing, feature engineering, exploratory analysis, and predictive modeling.
- Hands-on ETL experience, designing and automating data pipelines with Apache Airflow, AWS Glue, and SQL-based workflows, seamlessly integrating structured and unstructured data for analytics at scale.
- Proficient in business intelligence reporting and MS Office Suite (Excel, Word, PowerPoint, Visio, Outlook) to craft data-driven reports, presentations, and stakeholder-ready visualizations.

Key Skills

Data Analytics Tools: Power BI, Tableau, RStudio, Microsoft Excel, Jupyter Notebook, SQL Developer, Hadoop, Spark, Apache Kafka, Snowflake, Visual Studio, Google Colab

Programming languages: Python, R, HTML, Databricks, SQL, SSRS, and SAS

Management Tools: JIRA, Microsoft Office, SharePoint, Confluence, Bitbucket, GitHub, Service Now

Databases: PostgreSQL, MS SQL Server, MySQL, Oracle, NoSQL, MongoDB, DynamoDB, and RDS

Methodologies: SDLC, Agile, Scrum, and Waterfall

Data Manipulation & Transformation: Data Wrangling, ETL & ELT, Data Cleaning, metadata management

Data Visualization and Reporting: Data Visualization, Dashboards, & Reporting

Analytics and Decision-Making: Risk & Decision Analysis, Analytical Skills, Regression Analysis, Classification Modeling, Statistical Inference, Time Series Analysis, Model Diagnostics

Libraries: Pandas, NumPy, SciPy, TensorFlow, Scikit-Learn, Plotly, Matplotlib, Ggplot, and PySpark

Others: AWS, Azure, GCP, ETL, Glue, Airflow, and DBT

Operating Systems: Windows, Mac, and Linux

Professional Experience

ACL Digital, USA | DATA ANALYST

Sep 2024 – Present

- Engineered and deployed advanced statistical models and machine learning algorithms using Scikit-learn, TensorFlow, and PySpark, improving predictive analytics accuracy by 20% and enhancing data-driven decision-making processes.
- Planned and optimized ETL workflows leveraging tools such as AWS Glue, Airflow, Informatica Power Center, and DBT, resulting in a 30% improvement in data integration efficiency across multiple platforms.
- Monitored, maintained, and fine-tuned data pipelines, increasing data extraction, transformation, and loading performance by 25%, supporting large-scale analytics with AWS S3 and Redshift tools.
- Developed advanced SQL Server databases by creating custom stored procedures and user-defined functions, automating recurring reporting tasks, and saving 15 hours of manual effort weekly.
- Built dynamic and interactive Tableau dashboards to visualize key business metrics by integrating diverse data sources, including AWS S3, RDS, Redshift, MS Excel, JSON, and XML, increasing report accessibility by 35%.
- Generated and maintained over 25 actionable dashboards and reports using Tableau and Power BI, empowering stakeholders with real-time insights that improved decision-making processes by 20%.
- Designed A/B testing metrics and dashboards in Tableau, leading to a 15% increase in test efficiency and enabling leadership to make data-backed strategic decisions.
- Authored optimized SQL scripts for Snowflake and Teradata alongside developing Python-based process automation

- workflows to streamline file transfers, reducing errors by 30%.
- Analyzed A/B testing outcomes using R, identifying optimal strategies that increased email engagement rates by 25% for specific content types.
- Initiated detailed source-to-target data mappings and utilized Excel pivot tables, improving reporting workflows and achieving a 25% gain in efficiency.
- Collaborated with ETL teams to define requirements, generate new data files, and successfully integrate over 15 datasets into the enterprise data warehouse.
- Mentored and upskilled 10+ team members in advanced Tableau and Power BI techniques, improving visualization quality and team productivity by 20%.

CueTech Systems, India | DATA ANALYST

Mar 2021 – Aug 2023

- Engineered automated data processing pipelines for structured and unstructured data using Python, enhancing data accuracy and streamlining quality assurance workflows.
- Leveraged advanced Python libraries (Pandas, NumPy, Matplotlib, Seaborn) to conduct in-depth data analysis and visualizations, driving a 30% improvement in decision-making efficiency.
- Performed Exploratory Data Analysis (EDA) and comprehensive data wrangling to uncover patterns, trends, and anomalies, enabling data-driven strategies across departments.
- Planned and deployed predictive analytics models while optimizing complex SQL queries, resulting in a 20% increase in forecasting accuracy from large-scale sales data marts.
- Developed scalable ETL pipelines for data ingestion and transformation from disparate sources into centralized data warehouses, improving data accessibility and reporting capabilities.
- Implemented cloud-based data infrastructure and processing solutions using AWS, Azure, and GCP, ensuring high availability, scalability, and cost-efficiency for analytics workloads.
- Created interactive Tableau dashboards (scatter plots, geo maps, pie charts, bar charts), enhancing stakeholder engagement and improving data storytelling by 40%.
- Designed impactful Power BI dashboards using advanced visuals (tree maps, line charts, KPIs), empowering leadership with real-time insights and strategic decision-making.
- Collaborated with cross-functional teams to gather business requirements, develop BRDs/FRDs, and deliver tailored Power BI solutions aligned with user expectations and business goals.

Education

Master of Science, Computer Science | New Jersey Institute of Technology, NJ

Bachelor of Technology, Computer Science | Gandhi Institute of Technology and Management, India