SAI PRAVEEN KUDAPA

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PROFESSIONAL SUMMARY

Data Analyst with a Master's in Computer Science and expertise in data analytics, cloud computing (AWS), and automation. Proficient in building scalable ETL pipelines, optimizing SQL queries, and deploying machine learning models to drive data-driven decision-making. Experienced in AWS services like Redshift, Glue, Athena, and SageMaker, enabling efficient data processing and predictive analytics. Skilled in data visualization using Tableau and Power BI, helping businesses transform raw data into actionable insights. Passionate about improving operational efficiency and leveraging data to support strategic business decisions.

EDUCATION

Master of Science (MS)   12/2023
Major ~ Computer Science
Stevens Institute of Technology ~ Hoboken, New Jersey

Bachelor of Science (B-Tech)   07/2020
Major ~ Computer Science & Engineering
Amrita School of Engineering ~ Bangalore, Karnataka

SKILLS

- Programming Languages: Python, SQL, JavaScript, Java, HTML, CSS
- Databases: AWS Redshift, MySQL, Oracle, MongoDB
- Data Analysis & Visualization: Tableau, Power BI, Google Analytics
- Cloud Technologies: AWS (S3, Lambda, Redshift, Glue, Athena, SageMaker, API Gateway, IAM)
- ETL & Data Pipelines: AWS Glue, Apache Airflow, SQL Stored Procedures
- Statistical & Machine Learning Methods: A/B Testing, Predictive Analytics, NLP (Amazon Comprehend), Time Series Forecasting
- Automation & API Development: Python (Pandas, NumPy, Scikit-learn), FastAPI, RESTful APIs

WORK HISTORY

Data Analyst   01/2024 to Present
Walgreens, Manhattan, New York

- Optimized SQL queries and data pipelines using Amazon Redshift, reducing query execution time by 40%.
- Automated ETL workflows with AWS Glue and Lambda, improving data processing efficiency and eliminating manual intervention.
- Integrated Shopify and Zoey data into Amazon S3 for centralized storage and analytics.
- Deployed predictive analytics models on Amazon SageMaker, improving sales and inventory forecasting accuracy.
- Developed real-time data dashboards in Tableau by connecting with AWS Athena, enhancing KPI tracking.
- Implemented NLP-based sentiment analysis on customer reviews using Amazon Comprehend, increasing actionable insights.
- Built and secured API integrations using AWS API Gateway, ensuring seamless data synchronization across platforms.
- Managed and optimized data storage solutions with AWS S3 and AWS RDS, ensuring scalability and cost-effectiveness.
- Enhanced data security by implementing AWS IAM role-based access control (RBAC), ensuring compliance with company policies.

Data Analyst Intern   05/2023 to 12/2023
Walgreens, Manhattan, New York

- Automated data pipelines for Shopify and Zoey platforms, reducing manual reporting efforts by 30% and improving data consistency across teams.
- Designed and implemented custom dashboards using Tableau and Power BI, allowing real-time tracking of key performance indicators (KPIs) like sales, inventory, and customer behaviors.
- Integrated Shopify and Zoey data with internal systems through API connections, streamlining data flow and enabling more accurate performance tracking across departments.
- Analyzed customer purchasing patterns and sales trends using SQL and Python, helping to shape marketing campaigns and product pricing strategies that improved customer engagement.
- Conducted AB Testing to optimize marketing campaigns, identifying key conversion drivers and increasing conversion rates.

- Created detailed financial and sales reports using SQL, offering leadership insights into profitability, inventory turnover, and sales performance.
- Diagnosed and resolved data quality issues within Shopify and Zoey integrations, improving data accuracy by 20%.
- Provided data-driven insights to optimize customer retention and enhance overall customer experience, contributing to a 15% increase in repeat customers.

Jr. Data Analyst   08/2020 to 08/2022
Vertafore, Hyderabad, India
- Designed interactive dashboards in Tableau and Power BI, enabling data-driven decision-making across multiple business units.
- Conducted SQL-based data mining to analyze key business metrics such as revenue growth, customer behavior, and operational efficiency.
- Developed ETL (Extract, Transform, Load) pipelines to clean and preprocess raw data from various sources for analytics.
- Led predictive analytics projects using Python and SQL, improving demand forecasting accuracy by 25%.
- Conducted A/B testing on marketing campaigns and product features, optimizing engagement rates.
- Implemented automated data validation scripts using Python and SQL, reducing manual data cleaning efforts by 40%.
- Developed automated reporting solutions in Tableau and Power BI, providing real-time financial and operational data insights.
- Integrated AI-driven sentiment analysis for customer feedback, improving customer experience strategies.
- Engineered a secure HR module for employee management and payroll processing, using .NET MVC and Entity Framework.
- Built a real-time inventory tracking system with ReactJS and NodeJS, streamlining stock monitoring.
- Developed RESTful APIs for seamless data exchange between ERP modules and analytics dashboards.

Data Analyst Intern   12/2019 to 06/2020
Siva Sai IT Solutions, Hyderabad, Telangana
- Developed data pipelines to clean, transform, and structure large datasets, improving data accuracy by 30%.
- Designed and maintained dashboards using Tableau/Power BI, enabling real-time monitoring of key performance indicators (KPIs) for supply chain operations.
- Performed exploratory data analysis (EDA) on supply chain datasets, identifying patterns that optimized inventory levels and reduced stockouts by 15%.
- Built predictive models using Python (Pandas, NumPy, Scikit-Learn) to forecast demand, improving forecasting accuracy by 20%.
- Automated reporting workflows using SQL and Python, reducing manual data processing time by 40%.
- Collaborated with cross-functional teams to translate business requirements into actionable data insights, streamlining supply planning decisions.
- Optimized database queries, reducing query execution time by 50%, and ensuring faster data retrieval for decision-making.
- Analyzed supply chain bottlenecks, providing insights that improved operational efficiency and reduced lead times.

ACHIEVEMENTS, CERTIFICATIONS & INTERPERSONAL SKILLS
- ✓ [AWS Associate Developer Certification](#) (Cid: 3bde13c3255b4fe0889234c817dc55f7) by Amazon.
- ✓ [Google Certified Data Analytics Certification](#) by Coursera.