# SAI PRAVEEN KUDAPA

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# PROFESSIONAL SUMMARY

# Experienced Data Analyst with 4+ years of hands-on experience in data analytics, cloud computing (AWS), and process automation. Proven track record in designing scalable ETL workflows, deploying predictive models, and building dashboards that drive business performance. Adept at translating business needs into actionable insights through data transformation, visualization, and statistical analysis. Passionate about enabling data-driven decisions across cross-functional teams.

# 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: Pandas, NumPy, Scikit-learn, FastAPI, RESTful APIs, Git/GitHub

# WORK HISTORY

# Data Analyst | 01/2024 to Present

# *NRG Energy, Inc, Houston, Texas*

# Collaborated with the data engineering team to enhance SQL queries and optimize pipelines in Amazon Redshift, improving reporting performance.

# Assisted in automating ETL workflows using AWS Glue and Lambda, contributing to faster and more reliable data ingestion processes.

# Supported the integration of Shopify and Zoey data into AWS S3, enabling centralized storage for analytics across departments.

# Contributed to the development and tuning of forecasting models on Amazon SageMaker to improve demand planning accuracy.

# Built and maintained real-time dashboards in Tableau, integrating with AWS Athena to visualize key KPIs for marketing and inventory teams.

# Participated in customer sentiment analysis initiatives using Amazon Comprehend, helping to identify patterns in product reviews.

# Assisted in building API-based data integrations using AWS API Gateway, improving synchronization between internal tools.

# Worked with senior analysts to manage data storage and cost optimization using AWS S3 and RDS.

# Followed internal protocols to implement role-based access (IAM) for data security and compliance.

Jr. Data Analyst | 08/2020 to 08/2022

***Vsevse Systems****, 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.
* Participated in predictive analytics projects using Python and SQL, improving demand forecasting accuracy by 25%.]
* Supported data migration efforts to AWS S3 and Redshift for enhanced scalability and centralized access.
* 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.

# *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.

# CERTIFICATIONS

* AWS Certified Associate Developer ~ 2024
* Google Data Analytics Certification ~ 2023