

# PRAVEEN KUMAR SIDDELA

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## SUMMARY:

Data Engineer skilled in database management, data engineering, and cloud solutions with a track record of honing data processes and improving system efficiency. Experienced in SQL, Python, AWS, and developing impactful data solutions for business insights. Seeking to leverage expertise to drive strategic, data-driven outcomes.

## TECHNICAL SKILLS:

**Languages & Databases:** SQL (T-SQL, PL/SQL), Java, Python, R, C/C++, Bash/Shell, JavaScript; SQL Server, Oracle DB, MySQL, MongoDB, PostgreSQL

**Data Engineering & Administration:** ETL, Apache Spark, Hadoop, SSIS, SSRS, Data Warehousing, Performance Tuning, Index Management

**Development Tools:** ReactJS, Node.js, Docker, Jenkins, Kubernetes, AWS, Azure, GCP

**Data Analysis:** Tableau, Power BI

**CERTIFICATIONS:** Microsoft Certified: Power Platforms Fundamentals, AWS Academy Cloud Foundations, Oracle Cloud Infrastructure Foundations, Microsoft Certified: Fundamentals of Generative AI, AWS Academy Cloud Security Foundations

## WORK EXPERIENCE:

**Data Engineer | Accenture India Pvt. Ltd** - Hyderabad, India.

December 2020 - December 2022

- Engineered complex SQL queries, stored procedures, triggers, and functions, improving business processes for 20+ departments.
- Took initiative to reduce manual intervention by 50% by modifying ETL processes using SSIS for diverse data sources.
- Ensured 95% accuracy and quick health program eligibility determination by designing and optimizing SQL procedures with Apache Spark.
- Supervised and maintained 50+ SSIS packages for automated data integration tasks and enhanced reporting capabilities by deploying 25+ comprehensive reports operating SSRS.
- Automated 30+ routine database tasks leveraging SQL scripts and scheduled jobs, while revamping query performance by 40% through collaboration with developers to integrate SQL databases with front-end applications.
- Led API efficiency during seamless data migration processes to Azure Cloud, resulting in a 30% reduction in data transfer times and a 20% increase in overall system performance.

**Data Engineer Intern | Netcon Technologies** - Hyderabad, India.

January 2020 - June 2020

- Collaborated with cross-functional teams to analyze data using SQL and Python, supporting strategy development for 10+ business units.
- Engaged in frequent communication with senior management to create and maintain 15+ Tableau dashboards, offering real-time insights and fostering informed decision-making.
- Partnered with cross-functional teams to identify data needs, streamlining reporting processes by 30%.

## PROJECTS:

**Spotify Data Pipeline Model** | Python, SQL, AWS

January 2024 - May 2024

- Architected a scalable data engineering ecosystem on AWS Cloud using serverless computing for efficient ingestion, transformation, and warehousing of Spotify data.
- Orchestrated a computerized ETL pipeline with AWS Glue. Enabled efficient data extraction, cleansing, and storage in an S3 data lake. Integrated AWS Glue Crawler and Athena for dynamic schema generation and querying.

**Course Management System** | Node.js, React.js, HTML, CSS, JavaScript

August 2023 - November 2023

- Constructed a responsive web application for managing university courses using React.js and Node.js, implementing secure authentication (JWT) and deploying on Heroku for 99.9% uptime.
- Designed and upheld a MongoDB database, enhanced user experience with full responsiveness, and collaborated with a 5-member team using Git and JIRA, increasing data retrieval speed by 35%.

**Insurance Policy Data Management System** | MySQL, Tableau, Data Modeling

January 2023 - April 2023

- Developed a comprehensive relational database management system with MySQL to manage insurance policy and claim data efficiently.
- Created an interactive policy sales dashboard in Tableau for real-time sales monitoring and analysis.

## EDUCATION:

**Master of Science in Information Technology**

January 2023 - December 2024

Arizona State University, Tempe, USA.

**GPA:** 4.0/4.0

Relevant Coursework: Advanced DBMS, Big Data, Computer Architecture, Data Visualization, Data in Cloud and its Architecture.

**Bachelor of Engineering in Computer Science and Engineering**

August 2016 - September 2020

Vasavi College of Engineering, Hyderabad, India.

**GPA:** 7.68/10.0

Relevant Coursework: Data Structures, Design and Analysis of Algorithms, Operating Systems, Computer Networks, Data Mining.