PRAVEEN KUMAR SIDDELA

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CAREER GOAL:

Leveraging technology and data to drive strategic insights and foster business growth across development and engineering roles.

WORK EXPERIENCE:

Application Development Analyst | Accenture India Pvt. Ltd - Hyderabad, India.   Dec 2020 - Dec 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 optimizing 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 optimizing query performance by 40% through collaboration with developers to integrate SQL databases with front-end applications.
- Managed 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 Analyst Intern | Netcon Technologies - Hyderabad, India.   Jan 2020 - Jun 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   Jan 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 an automated ETL pipeline with AWS Glue. This 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   Aug 2023 - Nov 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, SQL, DataModeling   Jan 2023 - Apr 2023
  Developed a comprehensive relational database management system with MySQL to manage insurance policy and claim data efficiently. Utilized advanced SQL queries, stored procedures, and triggers to automate policy claims processes, resulting in a 30% reduction in manual data entry errors.

EDUCATION:

M.S in Information Technology   Jan 2023 - Dec 2024
Arizona State University, Tempe, USA.   **CGPA:** 4.0/4.0
Relevant Coursework: Advanced DBMS, Big Data, Computer Architecture, Data Visualization, Data in Cloud and its Architecture.

B.E in Computer Science and Engineering   Aug 2016 - Sept 2020
Vasavi College of Engineering, Hyderabad, India.   **CGPA:**7.68/10.0
Relevant Coursework: Data Structures, Design and Analysis of Algorithms, Operating Systems, Computer Networks, Data Mining.

TECHNICAL SKILLS:

Languages: SQL, T-SQL, PL/SQL, Java, Python, R, C, C++, Bash/Shell, JavaScript, Unix
Databases: SQL Server, Oracle DB, MySQL, ADB, MongoDB, PostgreSQL, BigQuery
Database Administration: Performance Tuning, Index Management, SQL Server Profiler, DMV's, DBCC Commands
Data Engineering: ETL, Apache Spark, Hadoop, SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS), Data Warehousing, Data Mart Implementations, Big Data, OLAP, OLTP
Development Tools & Technologies: ReactJS, Node.js, Redux, Rest API, JSON, HTTP, Docker, Jenkins, Kubernetes, AWS, Azure, Google Cloud Platform (GCP)
Data Analysis Tools: Tableau, Power BI
Development Methodologies: Agile, System Development Life Cycle (SDLC)
Soft Skills: Time Management**,** Problem Solving, Strong Verbal and Written Communication, Interpersonal Skills

CERTIFICATIONS:

Microsoft Certified: Power Platforms Fundamentals, AWS Academy Cloud Foundations, Oracle Cloud Infrastructure Foundations.