

Naga Sai Velpuri

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Summary of Qualifications

- Professional Database Administrator with 3.4 years of experience and a Postgraduate degree in AI and ML, equipped with essential competencies in statistics, predictive analysis, and advanced analytics.
- Skilled in query optimization and performance tuning for sources, targets, mappings, and sessions, addressing performance bottlenecks.
- Knowledgeable in SQL Server environments including Security, Scheduled job maintenance and troubleshooting.
- Skilled in applying analytical principles and tools to real-world problems, enhancing decision-making processes within organizations.
- Proficient at implementing OLAP in Hive using HQL, Spark. Comfortable with Unix File Systems and HDFS commands.

Education

Lambton College, Postgraduate Certificate in Artificial Intelligence and Machine Learning May 2023 - Jan 2025

- **CGPA:** 3.40/4.00
- **Relevant Coursework:** Python Programming, Advanced Python AI and ML Tools, Big Data Fundamental Storage, Visualization for AI and ML, Data Science and Machine Learning, Natural Language Processing, Data Mining and Analysis, Neural Networks and Deep learning.

K L University, Bachelor of Technology in Electronics and Communication Engineering Jun 2016 - May 2020

- **CGPA:** 9.20/10.0

Skills

Technical Skills:

Programming Language: SQL, Python, Scala, HiveQL, C++, Java, HTML

Tools: SSIS, SSRS, Spark Shell, Linux, VCS-Git, Jenkins, VS Code, IntelliJ, MS Office, AWS

Data Oriented Technologies: Snowflake, Oracle, Microsoft SQL Server, DB2

AI/ML Technologies: Tensorflow, Numpy, Pandas, Matplotlib, Seaborn, Natural Language Processing.

Other Technologies: Google Workspace, Microsoft Office (Word, Excel, Power Point).

Methodologies: Agile, Jira, Kanban, Confluence.

Experience

Innova Solutions | Database Administrator – Hyderabad, India Mar 2021 – Apr 2023

- Maintained the Database-related stored procedures and data in an order management solutions project, created Database design for a CRM module.
- Narrowed down the search response time by 200% by rewriting the Joins, adding indexes and using FULL TEXT search concept, hence performance tuning is achieved.
- Monitored the performance of DB server. Used Performance monitor tool and New relic tool for analysing the load on server.
- Migrated order and customer related data from upstream system, leading exposure to ETL tools.
- Developed effective stored procedures for Dashboard's screen which includes reports and analysis of orders placed by users.
- After production release, worked as production support engineer, where interaction with end clients, finding the issues in application by debugging logs and doing quick fix is accomplished.
- Updated certificates of Dev, Test environments for the application and Configured Jenkins server. Also did deployments to each environment.
- Worked on backend tasks like updating service classes and writing queries for repositories.

Innova Solutions | Software Engineer - Hyderabad, India Dec 2019 – Mar 2021

- Worked on migrating a retail project (Tech style) from SQL server to Snowflake.
- Built optimized queries that generated reports to clients on need basis.
- Got trained in various domains which includes .NET, web design and SQL training.
- Developed a sample login web page, which stores logins and uses APIs to fetch the data that store in their login.

Projects

- Big Data

Spark, Dec 2024 - Mar 2025
- Created Map Reduce Jobs in Scala, HiveQL with best practices resulting optimization. About to stream them using Apache Spark – Kafka. Implemented all the concepts of Sqoop, HBase.
 - Developed Scala codes using Broadcast and partition by, bucket by in various file formats using both low level code-RDDs and Structured APIs-Dataframe and Datasets.
 - Implementing these in AWS using EMR and S3. Configuring the instances and fields/regions. Working on Data streaming using Kafka.
 - Tools and technologies used in this project are HDFS, Hive, Spark, Scala, AWS EMR, Amazon S3, IntelliJ IDE.

- Machine Learning

AIML, Aug 2024 - Dec 2024
- Constructed an ML project for resume processing, including data collection, pre-processing, keyword analysis, and NLP tasks. Scope is to use cosine similarity.
 - Revamp a CNN and Deep Learning for Chess game.
 - Tools and technologies used in this project are Python, Pandas, NLP, Seaborn, CNN.

Certifications

- AWS Certified: Cloud Practitioner

Mar 2025
- Trendytech Certified: Big Data

Nov 2024