Sai Krishna Gowrishetty

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EDUCATION

University of Texas at Arlington - MS, Computer Engineering (CGPA: 4.0)   May 2021 (Expected)

Osmania University, India - BE, Electronics Engineering (CGPA: 3.5)   May 2016

TECHNICAL SKILLS

Languages: Python, SQL, R, Scala, Hive, Pig, Spark SQL, C#, Java, HTML, CSS, PHP, JavaScript

Tools & Frameworks: TFS, SSIS, Airflow, SSRS, Matillion, Tableau, Advanced Excel, Visio, XAMPP, PhpMyAdmin, Laravel

Databases: SQL Server, MySQL, PostgreSQL, MongoDB

PROFESSIONAL EXPERIENCE:

GGK Tech | Microsoft Business Intelligence Developer   April 2017 - Jul 2019

Project 1: Fixed bugs in around 30 SSRS reports and modified them according to the requirements.

Project 2: Designed a Data warehouse in SQL Server & delivered Business reports for an ecommerce company in USA.

- Developed ETL's with ABC framework in SSIS, to ingest & transform the raw data into facts and dimensions.
- Developed python scripts to automate the building of SSIS packages, tables, views for new entities.
- Worked on making changes/adding entities to the Data warehouse and validated the data from end to end.
- Optimized stored procedures which took long time to execute and improved the performance significantly.
- Provided production support to end users and was responsible for successful delivery of all the reports. Also, took care of creating new SQL Jobs and deploying any new changes in Production.
- Built reports in SSRS on data from Data warehouse and scheduled their delivery to the relevant users.
- Migrated SSRS reports to Tableau and developed interactive visualizations.

Project 3: Maintained Staging Database (SQL Server) of a renowned Supply Chain Management Company in USA.

- Handled all the client calls and took care of all the deliverables.
- Made enhancements to C# code developed to convert an input flat file of any format into a standard format.
- Built ETL's in SSIS that transforms raw data into Staging Data and generates CSV file extracts on top of it.
- Created new tables, views & Developed sproc's, functions, triggers, ETL's, jobs required to load them.
- Made changes to ETL's built in Matillion, which transformed the Staging Data into Data warehouse in Red Shift.

ACADEMIC PROJECTS

Recommendation System: |Python, Airflow, PostgreSQL| Developed an ETL process that transforms raw course rating data, into actionable course recommendations for students.

KV Store:|Python| Developed a high-performance & memory efficient Key-Value DB which supports put/del/get/scan.

Big Data: |Java, Spark, Hive, Pig and SparkSQL| Developed below program on huge input text files using **Map-Reduce**.

- **Graph:** Each row is a branch in a graph. Extracted all graphs and Identified connected components in them.

Data Mining: |R, Excel| Built **classification** models for a Bank Dataset to determine if a client subscribes to a term deposit. Analyzed clusters produced by applying k-means **clustering** on Texas weather data for the years 2006 to 2010.

Bike-Rental System: |Python| Implemented a full-fledged bike-rental system using object-oriented programming and rigorously tested the classes and methods for errors.

Web Development: |HTML, CSS, JavaScript, PHP, MySQL| Developed my portfolio website and hosted it on UTA cloud.

- Users can Sign Up and Login to view exclusive content.
- It has an 'Admin panel', visible only to admins which is used for modifying the DB directly from front-end.
- Developed the same website using **Laravel**, an open-source PHP web framework.

Message Server: |Java| Implemented an asynchronous message service consisting of a server and three clients.

- Developed a Simple GUI using 'java.swing' to manage all the components.

AWARDS AND ACHIEVEMENTS

- Received multiple 'Client Appreciation Awards' for outstanding work at GGK Tech in 2018 and 2019.
- Received 'Star of the Month Award' for leading a critical module in my third project at GGK Tech.