

Sarika Reddy Vontary

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EDUCATION

University of Eastern Illinois
University of JNTUH

MS in Computer Technology
BS in Computer Science and Engineering

August 2021 – December 2022
August 2014 – May 2018

EXPERIENCE

Data Analyst / Hilton, Virginia

January 2023 – Present

- Optimized deployments with Future Business Machines by analyzing datasets using **Python, SQL, and Tableau, Looker** dashboards to generate insightful reports.
- Automated reporting system based on **Excel** and **VBA** to simplify data extraction and analysis, reducing reporting time from 10 hours per week to 2 hours.
- Developed **ETL** workflows with Hive and Hadoop to streamline data processing and enhance reporting efficiency.
- Developed scripts for importing/exporting data across multiple environments, migrated SQL Server, and worked on **AWS** to generate clean files in **Amazon S3** and deploy files to **Amazon EC2 Clusters**.

Business Analyst Intern / health net, CA

March 2022 – June 2022

- Developed custom **Tableau** dashboards to empower cross-functional teams with immediate, action-driven business KPIs which enabled ad-hoc report requests to be reduced by 12 hours per week and lessened dependency on the data team.
- Utilized SAP Business Warehouse to streamline data management and reporting processes for patients data.
- Streamlined customer survey reporting with Power Automate, Qualtrics saving 30% time and increased accuracy
- Reduced latency by 42% and secured business operations for its customers, successfully migrated **MS Access DB** to **MS SQL Server**.

Data Analyst / Choc, India

March 2020 – May 2021

- Developed **CI/CD** workflows and built 20 real-time reports using **AWS Glue** and AWS Lambda for scheduling and automation, providing insights that improved budget accuracy by 15% and enhanced sponsor and stakeholder efficiency.
- Architected scalable system infrastructures leveraging AWS services like **Amazon Redshift** and Amazon RDS to ensure flexibility and scalability in handling evolving data requirements.
- Automated integration pipelines using **Python scripts** and **Bash**, reducing manual effort by 40% and enhancing reliability. Utilized Amazon Kinesis and **AWS EMR** with Apache Spark to process and analyze large datasets in real-time with distributed data processing.

Data Developer / First Federal Bank, India

August 2018 – January 2020

- **Rest API** to interface with Sybase databases, increasing transfer efficiency by 70%
- Skilled in using **Oracle** for large-scale data management, including **PL/SQL** for complex data manipulation, and implementing high availability and robust security measures.
- Created custom **Power BI** visuals and dashboards using **DAX** queries for data-driven decision-making.

PROJECTS

Project 1 / Retail Sales Analytics Platform | **Django, SQL, Pivot Tables**

November 2023

- Developed a research project using retail organization data on **Azure Cloud** to predict and analyze sales, applying data integration and quality checks to reveal key consumer behavior trends and market insights.
- Conducted statistical modeling to measure sales performance and provided actionable insights using **Tableau**.
- Built advanced visualizations to compare and communicate sales patterns, enabling data-driven decision-making for optimized sales strategies.

Project 2 | Inventory Management System/ **Python, NumPy, D3.js, Pandas**

March 2022

- Designed and implemented an SQL-based inventory management system on **Azure Cloud** for a retail organization, enhancing operational efficiency by 10%.
- Led the development of ER diagrams, database schema structuring, and creation of data flow and **UML** diagrams to ensure accuracy.
- Utilized **Pandas** and **Python** to streamline data processing and analysis, enabling real-time inventory tracking and optimization of supply chain workflows.

CERTIFICATION

- Certified scrum product owner (**CSPO**) Scrum Alliance, SQL for Data Analysis, Practical **GitHub** Actions.

TECHNICAL SKILLS

Languages: Python, Java, SQL (Postgres, MS-SQL, MySQL), JavaScript, TypeScript, HTML, XML, JSON, CSS

Frameworks: jQuery, Node.js, Flask, Django, Bootstrap

DevOps and API Tools: Git, Docker, OpenShift, Kubernetes, Azure DevOps, Swagger, Postman

Cloud and Security Tools: AWS, Azure Cloud, SQL Server, SSRS, Linux (Configuring and Managing)

Others: Data Modeling, Agile (Scrum), JIRA, Design Patterns, Power BI, Quick Sight, Informatica, Debugging, Regression, Alteryx, SSIS, Hive, Hadoop, Talend.