YASWANTHREDDY VARIKUTI

DATA AND AI ENGINEER

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About

As a highly motivated and results - orientated AI and Data Expert with two years of hands-on experience, I possess a strong foundation in automating data pipelines and streamlining routine workloads, enabling organizations to maximize efficiency and unlock valuable insights. I am proficient in cutting-edge technologies, including generative AI, machine learning, and deep learning, leveraging these to develop innovative and impactful solutions. My expertise extends to cloud platforms such as Snowflake, AWS, and GCP, allowing me to design and implement robust and scalable data architectures. I am adept at data engineering principles, ensuring data quality and integrity throughout the entire data lifecycle. Furthermore, I possess a strong understanding of data science methodologies, enabling me to extract meaningful insights from complex datasets and build predictive models that drive informed decision-making. I am committed to continuous learning.

Experience

Cognizant Technology | *Data and AI Engineer*   **June 2023 – Present**

- A dedicated and details-oriented ETL Tester and Developer with more than a year of experience in designing, developing, and implementing ETL processes. Proficient in identifying data discrepancies, debugging complex information systems, and optimizing data transformation procedures.
- Also experienced in developing automation tools, enhancing efficiency, and reducing manual intervention. Committed to ensuring the accuracy of data extraction, transformation, and loading processes, and eager to leverage these skills in a challenging and dynamic environment.
- Automated **15+ repetitive data processing tasks**, increasing operational efficiency by **70%** and reducing manual effort by **50+ hours per month**.
- Developed **10+ Python-based automation tools** and machine learning models, optimizing data workflows and boosting productivity by **80%**.
- Collaborated with **6+ cross-functional teams**, optimizing data pipelines and ensuring seamless integration with **Cloud Storage and Control-M**, reducing processing time by **30%**.
- Managed and processed **10TB+ of data** using **AWS, Teradata** and **Snowflake**, improving data retrieval speeds by **40%**.
- Conducted **100+ data validation tests**, identifying inconsistencies and improving **data quality by 95%** for business intelligence and reporting.

Cognizant Technology | *GCP Big Data Intern*   **Nov 2023 – March 2023**

- Developed **3+ data analysis models** for **hospital management** systems, reducing patient data retrieval time by **40%**.
- Optimized **10+ ETL workflows**, reducing processing time by **30%** and improving data accuracy to **98%**.
- Trained and Designed a Hospital **Database and ETL Pipeline** with an efficiency and accuracy of **80%.**
- Automated **50+ routine tasks** using Python and SQL, saving **20+ hours per week** in manual efforts.

Education

GMRIT College | **B. Tech in Electronics and communication Engineering**   **June 2020 – March 2022**

- ♦ **GPA**: 8.34
- ♦ **Major**: Electronics and communication, Embedded, VLSO, Data Science.
- ♦ **Minor**: IOT
- ♦ Worked in various industries and real time projects embedding IOT, IT systems together to solve real time problems.

Narayana Junior College | **Intermediate**   **June 2018 – March 2020**

- ♦ **Percentage**: 95%
- ♦ **Major**: MPC

Skills & abilities

- ♦ **Programming Languages:** Python, SQL, Java intermediate, C intermediate
- ♦ **Big Data Technologies:** Spark, PySpark, Hadoop, Hive
- ♦ **Cloud Platforms:** Google Cloud Platform (GCP), AWS, Snowflake, Azure, Oracle Cloud infrastructure
- ♦ **Data Engineering & ETL:** Data Warehousing, ETL Pipelines, Control-M, Airflow, Data Migration
- ♦ **Databases & Storage:** MySQL, PostgreSQL, Big Query, Cloud Storage, NoSQL (MongoDB, Cassandra)
- ♦ **Data Analysis & Visualization:** Power BI, Tableau, Excel (PowerPivot, Macros)
- ♦ **Machine Learning & AI:** Neural Networks, Image Processing, Generative AI, Deep Learning, NLP, chatbots
- ♦ **DevOps & Scripting:** Git, GitHub, Shell Scripting, PowerShell, Docker, Jenkins
- ♦ **API & Automation:** REST API, Postman, CI/CD, Python Automation
- ♦ Problem Solving, Team Work, collaborative working.

Certifications

- ♦ Snowpro | **Snowflake**
- ♦ AWS Solution Architecture | **AWS**
- ♦ Google Cloud Associate | **GCP**
- ♦ Oracle AI Foundations | **Oracle cloud**
- ♦ SQL, Python | **Hacker rank**
- ♦ IBM Watson and AI Badges | **IBM**
- ♦ GEN AI badge and certification | **Cognizant**
- ♦ Networking | **CISCO**
- ♦ Professional project Management | **Coursera & Google**
- ♦ Professional certificate in Cyber security & ethical Hacking by Google | **Coursera**

Hobbies

- ♦ Technical Researching.
- ♦ Music Appreciation.
- ♦ Reading Tech novels.
- ♦ Learning about Advanced and trending technologies.

Languages

- English
- Hindi
- Telugu