

HITHESWAR REDDY MACHUPALLI

SUMMARY

Data Engineer with hands-on experience in developing efficient ETL pipelines and optimizing data processes using Microsoft Azure. Adept at implementing data solutions that enhance operational efficiency and drive business insights. Proven ability in innovative problem-solving and maintaining high data accuracy, aiming to contribute to data-driven decision-making in a dynamic team environment.

EXPERIENCE

Data Engineer

HealthWorksAI | July 2023 - Current

Project 1:

- Spearheaded the creation of an end-to-end ETL pipeline, establishing a Golden Layer Repository for historical data.
- Overhauled and optimized the monthly dashboard refresh process using the Golden Layer as a central foundation, reducing delivery time from 72 hours to 24 hours.
- Leveraged Azure tools, including Databricks, Data Factory, and Data Lake Storage, to streamline workflows, enhance data consistency, and fully automate the process.
- Integrated automated QC/QA checks within the pipeline using Python, cutting down manual QC efforts for dashboard owners, and ensuring data accuracy.
- Enabled a robust, scalable process that improved client satisfaction and unlocked opportunities for additional data-driven products.

Project 2:

- Drove optimization of the yearly dashboard refresh, cutting down processing time by over 58% (72 hours to 30 hours), thereby boosting client's competitive edge.
- Flagged the errors in legacy codes and corrected legacy code flaws, ensuring two years of historical data is accurately aligned with current-year data.
- Created scripts to extract additional client-requested information from raw files, embedding it within the existing process for more comprehensive reporting.
- Enabled timely and precise data access during the Annual Enrollment Period (AEP), crucial for US Medicare providers.

Technology Intern

HealthWorksAI | January 2023 - June 2023

- Leveraged Azure Data Lake Storage, Azure Data Factory, Databricks, and SQL Data Warehouse to streamline large dataset management, supporting efficient data processing and ETL tasks.
- Developed SQL and Python scripts in Databricks to support data ingestion and execute ETL processes seamlessly.
- Designed and managed data pipelines to automate code execution and transfer data across SQL servers and storage accounts.
- Gained proficiency in ClickHouse database and workflow orchestration with Airflow through hands-on project experience.

LANGUAGES

- English
- Hindi
- Telugu

CONTACT

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SKILLS

- Azure Data Factory
- Azure Data Lake
- Databricks
- ETL development
- Python, Pyspark, SQL
- Numpy, Pandas, Matplotlib
- Machine Learning (Beginner) - Linear Regression, Logistic Regression, Decision Trees, Random Forest
- Teamwork and collaboration
- Multitasking abilities

EDUCATION

B.Tech, Mechanical Engineering

National Institute of Technology

Agartala

GPA: 7.91

2023

Intermediate (MPC)

Sri Chaitanya Junior College

GPA: 9.75

2019

S.S.C

Dr. KKR Gowtham International School

GPA: 10

2017

CERTIFICATIONS

- AI-900 (Microsoft Azure AI Fundamentals)
- Machine Learning with Python (Coincent partnered with Microsoft)

ACCOMPLISHMENTS

- Recognized with an overall rating of 4.5/5 in annual performance evaluations, highlighting commitment to excellence and impactful project contributions.
- Secured a top score of 889/1000 in Azure AI-900 exam conducted by Microsoft.