

Mahender Reddy Thota

PH10-1360 York Mills Rd, North York, ON M3A 2A2

mahenderreddythota@outlook.com | 437-662-8908 | mahenderthota.github.io | linkedin.com/in/mahenderthota

Objective

Data professional with 3+ years of engineering experience specializing in large-scale data processing and ML implementation, complemented by advanced education in Business Analytics and AI Solutions Development. Seeking to leverage extensive experience with Python, SQL, and cloud platforms (AWS, GCP, Azure) alongside proven ability to optimize data pipelines and drive business impact through quantitative analysis to contribute as a Data Scientist at Tiger Analytics.

Highlights of Qualifications

- Over 3 years of experience building scalable ETL pipelines and optimizing workflows with Python, Spark, and Hadoop.
- Expertise in classification, regression, and optimization to deliver actionable insights.
- Proficient in Python, SQL, Power BI, and distributed computing platforms like Spark and Hadoop.
- Hands-on with Azure and other cloud technologies for efficient data processing.
- Strong expertise in data quality checks and fault-tolerant systems for reliable analytics.

Technical Skills

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|--------------------|----------------|------------------------|
| • Python | • SQL | • Apache Spark |
| • Apache Hadoop | • Oracle BI | • Git |
| • Power BI | • Apache Kafka | • Azure Cloud |
| • ETL | • Informatica | • Microsoft Office 365 |
| • Machine Learning | • Regression | • Classification |

Experience

Data Engineer

August 2021 – September 2022

YCity Tech Pvt. Ltd

Remote, Hyderabad, India

- Transformed data workflows with Python automation scripts, streamlining ETL processes and reduced manual intervention by 50%. Used Python tools for data manipulation and processing, saving 25% on time.
- Introduced Python monitoring solutions, ensuring data availability round the clock.
- Collaborated with clients, data scientists, business intelligence analysts and management.
- Revamped data processing with Spark and Hadoop, reducing processing time by 30% and cutting cloud costs by 20%, enhancing overall system efficiency and real-time data availability.
- Engineered a fault-tolerant data ingestion system using Apache Kafka, ensuring seamless capture of real-time data from thousands of IoT devices.
- Built robust ETL pipelines using Python and Apache Spark to process and transform high-volume data, enabling accurate reporting and billing.
- Implemented data quality checks and validation rules in Python, safeguarding data integrity throughout the data pipeline.

Data Engineer

December 2018 – August 2021

Capgemini Technology Services Ltd

Hyderabad, India

- Enhanced ETL processes utilizing Informatica and SQL by introducing performance tuning techniques in SQL for DAC jobs, resulting in a 15% reduced load time.
- Developed more than 20 interactive dashboards and reports for different business structures (Sales, Customer Experience, Service).
- Defined Key Performance Indicators (KPIs), facts, dimensions, hierarchies and developed snowflake and star schemas, in collaboration with key stakeholders.
- Developed, maintained, and optimized new ETL processes and data pipelines, for new data structures in the source Siebel systems, resulting in 100% data availability for business intelligence reporting.
- Worked and developed performance metrics and SLA management reports and shared this data with Verint.
- Designed and developed Physical, Business Model and Mapping, and Presentation layers of an Oracle Metadata Repository using BI Administration Tool.

Education

Postgraduate Certificate in Applied AI Solutions Development

August 2025

George Brown College, Toronto, Ontario, Canada

Postgraduate Certificate in Business Analytics

April 2024

Conestoga College, Guelph, Ontario, Canada

Graduated with 3.9 GPA

Bachelor of Technology

April 2017

Electronics and Communication Engineering

K L University, Guntur, India

Certifications, Trainings and Accreditations

Salesforce Platform Developer – I

Issued by Salesforce, March 2024

Salesforce Process Automation Specialist Super badge

Issued by Salesforce, August 2021

REFERENCES ARE AVAILABLE UPON REQUEST