Mahadev Duary

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Summary

Results-oriented **Data Engineer** with **4 years of experience** bridging the gap between complex data architecture and business strategy. Specializes in designing robust Big Data ecosystems and AI pipelines that drive actionable business intelligence. Proven track record of mastering emerging technologies to accelerate data-driven decision-making.

Education

Bachelor of Technology

Vellore Institute of Technology, Vellore, Tamil Nadu
09/2021

- Graduated with distinction, achieving a stellar CGPA of **8.6.**
- Showcased exceptional leadership and teamwork in extracurricular activities, notably excelling in football.

Experience

One Assist Consumer Solutions

Data Engineer, Gurgaon, NCR
09/2022 - Present

- **Financial & Partner Automation:** Led the end-to-end integration of **300+ partners** into a centralized financial invoicing system, reducing the Finance team's manual workload by **50%** and significantly accelerating payout cycles.
- **System Reliability & Security:** Maintained **100% reporting accuracy** with **0% downtime** , while enforcing strict data governance through the implementation of **Row-Level Security (RLS)**.
- **Risk Intelligence System:** Developed a geo-spatial risk monitoring system to track claim **severity** and **incidence rates**; enabled early detection of risks, saving the company **crores of rupees** in potential losses.
- **High-Scale Optimization:** Modernized data infrastructure to support **10X scaling** in data volume while simultaneously reducing operational costs by optimizing existing pipelines and adopting emerging technologies.
- **Business Velocity:** Automated complex unit economics calculations, successfully compressing critical business decision-making timelines from **weeks to hours**.
- **GenAI Reporting Tool:** Built an **AI-driven chatbot** for automated reporting, allowing cross-functional teams to query metrics instantly via a chat interface and eliminating manual reporting bottlenecks.
- **Cost Reduction & ETL:** Engineered optimized ETL procedures and incremental data load strategies, slashing reporting costs by approximately **40%** while improving processing efficiency.
- **Visualization Migration:** Spearheaded the rapid migration of all enterprise reporting to **AWS QuickSight**, enhancing data visualization capabilities and drastically reducing report generation time.

Skills

AWS, EMR, Spark, Scala, Hive, Athena, Quicksight, Git, HDFS, S3, Kafka, Airflow, Sqoop, Doris, OLAP, SQL, Hudi

Awards

Power Team Award (2025), Rising Star Award (2024), Pathfinder Award (2023).