Chelsea Mayen

Peterborough, ON
(437)-799-0418
chelseamayen@trentu.ca
chelsea-mayen@linkedIn.com
Github Project Portfolio

Designing cutting-edge data ecosystems with 3.5 years of proficiency in cloud-based big data solutions. I engineer scalable pipelines, orchestrate robust architectures, and spearhead data-driven decision-making, unlocking transformative insights and maximizing operational efficiency.

Education

M.Sc. in Big Data Analytics (9.4 CGPA) | Trent University, Peterborough (Canada).	**Jan 23 – Apr 24 (Expected)**
B.E Mechanical Engineering (8.35 CGPA) | PESIT, Bangalore (India).	**Aug 2015 – July 2019**

Certifications

Data Science Program (Master's) from Simplilearn in partnership with IBM	**Nov 2021**
AWS Solutions Architect Associate Certification	**Oct 2023**

Skills

- **AWS Services –** EC2, Lambda, S3, Glue, EMR, Athena, Redshift, Kinesis, CloudWatch, IAM, Kinesis, SNS, S3, DynamoDB, Cloud9
- **Data Processing –** SQL, PySpark, Kafka, Airflow, Beam, Nifi
- **Containerization –** Docker, Kubernetes
- **Version Control –** Git
- **Data Visualization –** PowerBI, QuickSight

Work Experience

Lam Research (Bangalore, India)   **Jul 2019 – Dec 2022**
Software Developer

- **Optimized manufacturing data processing with Python, SQL, Apache Spark**, Azure Data Lake, and Azure Data Factory, achieving a 35% reduction in processing time for enhanced operational efficiency.
- **Implemented real-time data streaming using Apache Kafka, Apache Flink,** and Azure Stream Analytics, **reducing data latency by 50% for immediate anomaly detection.**
- **Scalable data warehousing** solution with Azure Synapse Analytics, Apache Parquet, and Azure SQL Database, **improving query performance by 40% and reducing infrastructure costs by 30%.**
- **Enhanced data governance and collaboration** through Azure Data Catalog, Kubernetes, and Git, **reducing data discovery time by 40% and increasing collaboration efficiency by 25%.**
- **Leveraged Power BI for data analysis**, providing actionable insights and visualization capabilities to stakeholders for informed decision-making.
- **Automated workflow management with Apache Airflow, Docker, and Azure Databricks,** achieving a 45% efficiency gain for streamlined data processing and faster analytics.

Achievements

Won first place in the Lam India 2022 Hackathon by spearheading the development of an intelligent automated workflow. Integrated Power Automate and VBA to extract and transform SAP database data based on email keywords. **This resulted in a five-hour weekly timesaving for engineers, optimizing efficiency and streamlining evaluations.**