Karth
(Karthikeyan Baskaran)

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Summary

Results-driven data engineer with expertise in designing scalable data pipelines, developing data models, and ensuring data quality, leveraging skills in Python, SQL, Apache Spark, and cloud platforms to drive business growth and innovation.

Skills

Programming Languages: Python, SQL, Java
Data Engineering Tools: Apache Spark, Hadoop, Airflow
Cloud Platforms: AWS, Azure, GCP
Databases: PostgreSQL, MySQL, MongoDB
AI & Analytics Tools: TensorFlow, PyTorch, scikit-learn
Data Visualization: Power BI, Tableau, matplotlib

Work Experience

Procurement Specialist   **Nov 2021 - Aug 2023**
Vestas Wind Technology, India
- Achieved a 15% reduction in procurement costs by developing a data-driven supplier evaluation and conducting detailed cost analysis.
- Accelerated project timelines by 20% by implementing predictive analytics for demand forecasting, enhancing project delivery capacity.
- Delivered savings of $35M by developing and deploying Python-based automation tools that streamlined procurement workflows and enhanced operational efficiency.

Consultant ECM Purchaser, Vestas   **Jan 2021 - Nov 2021**
ManpowerGroup Services, India
- Reduced production costs by 10% through process optimization analyses, utilizing data-driven insights to streamline operations.
- Identified potential savings of 3M EUR by analyzing supplier costs and payment credit periods, implementing standardized and efficient procurement strategies.
- Improved operational efficiency by 15% by leading cross-functional collaboration and deploying Lean methodologies.

Procurement Engineer (Intern)   **Jun 2019 - Jan 2021**
Valeo India
- Managed RFx processes across castings, sheet metal, and plastic segments, achieving 10-15% cost reductions through competitive vendor sourcing and procurement strategies.
- Built and maintained a robust supplier base by inducting vendors, implementing double sourcing, and driving localization, resulting in a 20% improvement in supply chain efficiency.
- Executed supplier auctions using digital platforms, reducing overall part costs by 8-12% while ensuring competitive pricing through negotiations.

Projects

Meta Financial Dashboard: Developed an interactive Tableau dashboard to analyze key financial KPIs, delivering actionable insights for strategic planning. (Tableau, financial analytics, data visualization)

Customer Churn Analysis: Analyzed and processed customer data to predict churn risk, applying machine learning and visualization techniques to guide retention strategies. (Python, predictive modeling, customer analytics, machine learning)

SAP Data Automation: Developed automation solutions to streamline data management of SAP using Excel VBA and SAP automation features, enhancing operational efficiency and data accuracy. (SAP, automation, data management, Excel VBA)

Education

Diploma in Data Analytics for Business
St. Clair College, Canada   **Sep 2023 - Apr 2025**

Bachelor of Mechanical Engineering
St. Joseph's Institute of Technology, India   **Jun 2014 - Jun 2018**