

# Karth

(Karthikeyan Baskaran)

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## Summary

Experienced procurement specialist with a background in software development and automation. Skilled in Python, Power Query, and SAP automation, driving efficiency and savings through process optimization and strategic management.

## Skills

**Machine Learning & AI:** Prompt Engineering, RAG Development, LLMs (OpenAI, llama, LangChain)

**Data Engineering & Pipelines:** SQL, Azure Data Lake, Data Infrastructure

**Data Visualization:** Power BI, Tableau

**Automation & Efficiency:** Python, VBA, Workflow Automation

**Analytical Skills:** Predictive Analytics, Trend Analysis

**Collaboration & Communication:** Cross-Functional Teams, Stakeholder Management

**Process Optimization:** Operational Efficiency, Cost Reduction

## Experience

### Procurement Specialist

Nov 2021 - Aug 2023

*Vestas Wind Technology, India*

- Achieved a 15% reduction in procurement costs by developing Python-based automation tools for workflows.
- Improved supplier evaluation using advanced SQL and Power BI dashboards.
- Integrated ML Flow and Python-based tools to automate RFQ processes, reducing processing time by 40%.

### Consultant ECM Purchaser, Vestas

Jan 2021 - Nov 2021

*ManpowerGroup Services, India*

- Developed predictive analytics models for demand forecasting, improving delivery timelines by 20%.
- Automated internal workflows using Python and Power Query, enhancing team efficiency by 30%.
- Designed a procurement dashboard using Power BI and Cloud Storage.

### Procurement Engineer

Jun 2018 - Jan 2021

*Valeo India*

- Achieved 15% cost reductions through strategic vendor sourcing and procurement strategies.
- Built Power BI dashboards for real-time KPI tracking, reducing reporting time by 40%.
- Developed Python-based tools for cost analysis, saving \$500K annually.

## Projects

**LLM-Powered Insights Generator:** Built a retrieval-augmented generation (RAG) solution using LangChain and Azure AI Search for advanced data insights. Developed agentic workflows (GraphRAG) to streamline large-scale report generation, reducing manual efforts by 50%. (LangChain, Azure AI Search, GraphRAG)

**Meta Financial Dashboard:** Designed a Tableau dashboard analyzing KPIs like P/E Ratio and Debt to Equity, improving decision-making accuracy for stakeholders. (Tableau, Financial Analytics)

**Customer Churn Prediction:** Implemented ML algorithms to predict customer churn using Python and Power BI, integrating data transformation workflows with ML Flow. (Python, Power BI, ML Flow)

## 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