

# Karth

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## Summary

Results-driven data science professional with experience in NLP, machine learning, and procurement optimization, leveraging expertise in Python, PyTorch, and data visualization to drive business growth and improve operational efficiency.

## Skills

**Data Science:** NLP, Machine Learning, Data Visualization  
**Procurement Optimization:** Supplier Evaluation, Predictive Analytics, Cost Reduction  
**Automation:** Cloud Automation, Process Optimization, Productivity Enhancement  
**Natural Language Processing:** Conversational AI, Generative AI, Text Analysis  
**Data Analysis:** Data Mining, Information Retrieval, Business Intelligence  
**Python Development:** PyTorch, Transformers, Python

## Experience

**Procurement Specialist** Nov 2021 - Aug 2023

*Vestas Wind Technology, India*

- Developed and implemented a data-driven supplier evaluation model using Python and machine learning to optimize procurement costs and improve supplier performance.
- Designed and deployed a predictive analytics framework to forecast demand and manage delays, resulting in a 20% reduction in project timelines and improved operational efficiency.
- Collaborated with cross-functional teams to develop and implement automation tools, streamlining procurement workflows and enhancing data accuracy.

**Consultant ECM Purchaser, Vestas** Jan 2021 - Nov 2021

*ManpowerGroup Services, India*

- Utilized data-driven insights and process optimization techniques to reduce production costs by 10% and improve operational efficiency by 15%.
- Developed and deployed cloud-based automation tools, resulting in a 30% increase in team productivity and faster completion of routine tasks.
- Led RFx processes and negotiated competitive pricing with global vendors, achieving an 8% reduction in procurement costs.

**Procurement Engineer** Jun 2018 - Jan 2021

*Valeo India*

- 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.
- Developed Power BI dashboards to track procurement KPIs, cutting reporting time by 40% and enhancing supplier performance monitoring.

## Projects

**NLP-Based Chatbot:** Developed a conversational AI chatbot using PyTorch, transformers, and NLP techniques to analyze and respond to user queries. (NLP, PyTorch, Transformers, Conversational AI)

**Generative AI for Search:** Designed and implemented a retrieval-augmented generation (RAG) model using Python and machine learning to improve search results and user experience. (Generative AI, Retrieval-Augmented Generation, Python, Machine Learning)

**Information Retrieval Dashboard:** Created a dynamic dashboard using Tableau and Python to visualize and analyze information retrieval metrics, providing actionable insights for stakeholders. (Information Retrieval, Tableau, Python, Data Visualization)

## Education

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

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