

## PROFILE SUMMARY

Kathit is a results-oriented professional with a proven track record in driving data-driven improvements. Possessing extensive experience in supply chain analysis, process optimization and project management. Kathit has successfully led complex projects, resulting in a 20% increase in cost savings of \$310K. Adept at leveraging SQL, Python, and Tableau to extract actionable insights. Strong communication and collaboration skills, demonstrated by effectively leading cross-functional teams and delivering impactful presentations.

## EDUCATION

- **MTech** | IIT, Roorkee | Polymer Engineering '23
- **BTech** | Ahmedabad University | Mechanical Engineering '19

## SKILLS

- **Programming Languages:** Python | C | MATLAB
- **Software Skills:** SAP HANA | Advanced Excel | SQL | MS- Office | Autocad | Ansys
- **Interpersonal Skill:**  
Supply Chain Management | Data Analysis and Management | Research | Consulting | Strategic Decision-Making | Stakeholder Management and Communication.
- **ML Toolkits:** Scikit-learn | TensorFlow | Keras
- **Python Libraries:** NumPy | Pandas | Matplotlib | Seaborn | Turtle | SciPy | Tkinter
- **Language Proficiency:** English | Hindi | Gujarati

## POSITIONS OF RESPONSIBILITY

- **Placement Coordinator | IIT Roorkee** [Aug 2021 – Jul 2023]  
Negotiating with companies for planning internships and further placements for conducting recruitments efficiently.  
Handled complete recruitment process of 50+ companies in placement season 2022-23

## AWARDS/ ACHIEVEMENTS

- AIR 409 | GATE 2021
- 2nd Position | Robopult competition held during INGENIUM 2017 at AU
- Mukhyamantri Svaavlamban Yojna Scholarship | 2015-2016 and 2018-2019

## EXTRA CURRICULAR ACTIVITIES

- 3rd Position- Bussiness Baazigar 2022 | IIT Roorkee
- Participant | R-Street Investment Challenge , IIT Roorkee
- Participant | Waste-o-thon , IIT Roorkee
- Participant | Sport and Cultural Activities, IIT Roorkee

## CERTIFICATIONS

- **The Complete Python Bootcamp in Python**  
Master Python from basics to advanced concepts | Object-Oriented Programming | Master Python for tasks, games, and personal projects.
- **Machine Learning A-Z: On Python in Data Science**  
EDA | Regression | Classification | Clustering | Association | Reinforcement Learning | NLP | DL (ANN, CNN) | Dimensionality Reduction

## PROJECTS

- **Thesis Project : Prediction of Glass Transition Temperature of Polymer using Machine Learning | IIT Roorkee**  
[July 2022 – July 2023]  
-Reviewed 50+ research papers to select datasets and algorithms.  
-Implemented a flexible Graph Neural Network (GNN) using PyTorch and PyTorch Geometric, incorporating GIN convolutions, virtual nodes, and batch normalization.

- Encoded atom and bond features, applied global mean and add pooling, and used PyTorch Geometric for data manipulation.
- Optimized performance with hyperparameter tuning and robustness techniques.
- Used Advanced Excel and Power BI for visualization.

- **Designing and simulation of plastic sorting machine (Final Year Project)| Ahmedabad University** [Jan 2019 – Jun 2019]
  - Designed a plastic sorting machine for final year project.
  - Conducted visits and interviews with officials and recyclers.
  - Identified a quality gap in plastic waste.
  - Used NIR infrared light for sorting by grade.
  - Designed for 1-ton daily capacity.
  - Simulated in SOLIDWORKS.
  - Praised by the dean and waste management officials.

## EXPERIENCES

- **Senior Executive | Tata Advanced System Limited** [Aug 2023 – Dec 2024]
  - Vendor and Procurement Management:**
    - Managed Purchase Requisitions, RFQs, contracts, and POs in SAP.
    - Led vendor negotiations, strengthened existing relationships, and developed new partnerships to optimize the supply chain.
  - Implemented Automated Inventory Management & Vendor Help Desk Systems (SAP, Excel, Tableau):**
    - Designed and deployed automated systems to streamline inventory management and vendor interactions. These systems utilize Purchase-to-Pay (P2P) tracking for enhanced transparency and control. Advanced proficiency in SAP, Excel, and Tableau supported data analysis and visualization for these solutions.
  - Delivered 20% Cost Reduction:**
    - Achieved a significant 20% reduction in Annual Operating Plan (AOP) expenditures across Procurement, Engineering & Manufacturing (PEM), IT Capital Expenditure (Capex), and Facility costs.
- **Procurement Intern | Parliament Of India** [June 2022 – August 2022]
  - Chosen as the sole candidate from over 500 for interviews at top 10 NIRF-ranked institutes.
  - Analyzed and proposed improvements to the Lok Sabha's procurement process, guided by the Additional Secretary (IRS).
  - Performed data analysis using Excel for a project, supervised by the General Secretary (IAS) advising the Honourable Speaker.

- **Sustainability Analyst Intern | Bureau of Indian Standards** [May 2022 – June 2022]
  - Identified technical gaps and suggested recommendations in 50+ BIS standards impacting several sectors.
  - Analyzed and Mapped the standards to 17 SDGs, suggested 50+ amendments in various clauses to adapt sustainable practices.
  - Presented the data and findings in visual format to the Director General and Petroleum Chemical Dept. head at BIS.

- **Executive | Warehousing Operations & Process Improvement| Vasuttam Industries** [June 2019 – June 2021]
  - Optimizing warehouse efficiency: Making the most of available space, streamlining processes, and reducing costs.
  - Implementing Lean Six Sigma: Using tools like Value Stream Mapping to improve operations.
  - Managing vendors: Building relationships with suppliers, negotiating deals, and ensuring they meet your needs.
  - Enhancing customer satisfaction: Making sure products are stored and delivered efficiently to meet customer expectations.
  - Analyzing data: Using key performance indicators and standard operating procedures to track performance, identify problems, and make improvements.