

Kartik Chaudhari

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Professional Summary

Analytical and proactive Business Process Analyst with 2+ years of experience designing KPI dashboards, automating ETL pipelines, and delivering data-driven insights across manufacturing and compliance operations. Proficient in Power BI, Advanced Excel, SQL, and Python with hands-on experience in data extraction, transformation, and visualization from complex datasets. Prior experience at TE Connectivity in automotive manufacturing analytics, combined with strong stakeholder communication and process improvement skills, makes me a strong fit for procurement and supply chain analytics roles.

Education

Executive PG Programme – Data Science & AI IIIT Bangalore Specialization: Business Analytics GPA: 3.88 / 4.00	2024 – 2025
B.Tech – Computer Engineering PCCOE, Pune CGPA: 8.65 Honors – Deep Learning: CGPA 9.65	2020 – 2024

Skills Summary

- **Power BI & Visualization:** Interactive Dashboard Development, KPI Reporting, DAX, Data Modeling, Procurement Metrics, Scorecards, Real-time Visualization.
- **Data & ETL:** SQL (query writing, ETL pipelines, database management), Advanced Excel (VLOOKUPS, Pivot Tables, Macros, formulas), Data Extraction, Transformation & Loading, Data Validation, Data Quality Management.
- **Python:** Scripting, Automation, Data Manipulation, RPA, Libraries (Pandas, NumPy, Matplotlib), Data Visualization.
- **Microsoft Power Platform:** Power Apps, Power Automate, SharePoint, Microsoft Presentations.
- **Business Analysis:** Requirements Gathering, KPI Design, Process Design, Gap Analysis, Stakeholder Management, Business Case Development, Feasibility Analysis, Traceability Matrix.
- **Domain Knowledge:** Automotive Manufacturing, Procurement & Supply Chain Analytics, Compliance Operations, SAP Data Familiarity.
- **Frameworks & Tools:** Agile (Scrum, Kanban), UAT Testing, Jupyter Notebook, Oracle, Docker, LLMs, RAG.

Work Experience

Amazon – Sr. Associate, Product Compliance (GSRC)	April 2025 – Ongoing
● KPI Dashboard Development: Designed and built an interactive Power BI Scorecard Dashboard to track compliance KPIs (NFAs, Solved ASINs), enabling real-time data-driven decision-making for senior stakeholders. ● ETL Automation: Designed and automated ETL workflows using SQL, Python, and Advanced Excel to extract, transform, and load compliance data — significantly reducing manual processing time and improving data accuracy. ● Data Quality & Integrity: Ensured data accuracy, completeness, and integrity before publishing reports and KPIs; identified and resolved data discrepancies in compliance reporting processes. ● Tool Management & UAT: Managed the Valid-8 classification tool, improving associate accuracy and reducing errors. Conducted end-to-end UAT for ChatBit AI tool — validated outputs vs. manual benchmarks, updated rules iteratively, and derived actionable insights to enhance productivity. ● Process Improvement: Identified operational gaps through benchmarking analysis, proposed solutions, and contributed to embedding new compliance procedures aligned with risk mitigation frameworks. ● Recognition: Best Performer of the Month – ONT (GSRC) Team, Amazon.	
TE Connectivity Pvt. Ltd. – Business Analyst Intern	Dec 2023 – March 2025
● Dashboard & Reporting: Developed Power BI dashboards and Python scripts to analyze, allocate, and visualize real-time production data across automotive manufacturing lines, directly supporting procurement and supply chain decisions. ● ETL & Data Pipeline: Performed data extraction, transformation, and loading from complex operational datasets to support reporting pipelines and business intelligence layers. ● RPA & Process Automation: Built an RPA solution using Python and Power BI to automate real-time order allocation across production lines, streamlining workflows and reducing manual effort. ● Requirements & Solution Design: Collaborated with cross-functional automotive manufacturing teams to translate business problems into functional specifications and data-driven AI/ML solutions. ● Deep Learning Model Deployment: Led development of a VGG19-based Transfer Learning model for defect detection in injection-molded parts — achieved 93% accuracy, replacing manual inspection and improving quality throughput. ● Recognition: Global Best Business Impact Award – TE AI CUP VP Recognition for AI/ML Automation generating \$80K in annual savings.	

Key Projects

1. KPI Scorecard Dashboard – Power BI & Excel (Amazon)

Apr 2025 – Ongoing

- Identified business need to consolidate compliance tracking data into a single real-time reporting solution; designed and built an interactive Power BI dashboard integrated with SQL and Excel data sources.
- Ensured data accuracy, integrity, and automated refresh to enable reliable KPI reporting for senior stakeholders.
- Applied data modeling best practices to structure multidimensional compliance datasets, enabling scalable and reusable reporting across multiple KPI categories.
- Documented dashboard requirements, defined project scope, and translated business needs into functional Power BI specifications with minimal supervision — aligned with procurement-style BI delivery workflows.

Technologies: Power BI, Advanced Excel, SQL, ETL, Data Validation, KPI Reporting, Data Modeling

2. RPA Order Allocation Dashboard – Python & Power BI (TE Connectivity)

Jul 2024 – Oct 2024

- Analysed production line allocation workflows, identified inefficiencies, and designed a Python + Power BI automation solution to streamline real-time order allocation across automotive manufacturing lines.
- Performed end-to-end data extraction, transformation, and validation to support procurement and supply chain decision-making.
- Leveraged Power Automate to trigger automated data refresh workflows, reducing manual reporting effort and ensuring up-to-date procurement metrics were always available for stakeholders.
- Worked with large, complex, and multidimensional datasets from operational systems; applied data governance best practices to ensure data quality and consistency across reporting pipelines.

Technologies: Python, Power BI, SQL, RPA, Advanced Excel, Power Automate, Data Governance

3. ChatBit UAT Tool – Testing, Training & Analysis (Amazon)

Apr 2025 – Ongoing

- Conducted end-to-end UAT, validated AI tool outputs vs. manual benchmarks, updated decision rules iteratively, and performed gap analysis to drive productivity and quality improvements.
- Documented test cases, functional requirements, and traceability matrices to align tool behavior with business objectives and ensure consistent, scalable performance across use cases.
- Used Advanced Excel and SQL to quantitatively analyse tool accuracy trends, generating actionable reports that supported process improvement decisions for operations teams.

Technologies: UAT Testing, Rule-based Optimization, SQL, Advanced Excel, Data Analysis, Classification Benchmarking

4. Defect Detection System – Deep Learning & CV (TE Connectivity)

Oct 2022 – May 2023

- Designed VGG19-based Transfer Learning model for real-time defect detection in injection-molded automotive parts — achieved 93% accuracy, replacing inconsistent manual inspection on the shop floor.
- Performed structured data extraction and transformation from production-line sensor datasets to build and validate training data pipelines, applying ETL best practices to ensure data integrity and model reliability.
- Translated manufacturing stakeholder requirements into a functional technical specification and delivered a user-friendly monitoring interface, supporting continuous quality improvement in automotive production.

Technologies: Python, Deep Learning (VGG19), Transfer Learning, Computer Vision, ETL, Data Visualization

Achievements

- Amazon – Best Performer of the Month | ONT (GSRC) Team.
- Global Best Business Impact Award – TE AI CUP (Computer Vision defect detection solution).
- VP Recognition, TE Connectivity – AI/ML Automation projects generating \$80K in annual savings.
- Best Project Award – Honors: Cataract Detection using Deep Learning (PCCOE).
- Best Researcher of the Year Medal – Published Research Papers in International Journals (PCCOE).

Volunteer Experience

- **IAM Coordinator – GSRC Amazon:** Co-ordinated Innovation & Automation Month at GSRC Amazon.
- **TE AMT - India Projects Accomplishment Programme** - Hosted this Event along with AI And ROBO Cup Projects showcasing to whole TE India Engineers.
- **Secretary – PCCOE ACM Student Chapter:** Represented CS Department; chapter won best community award.
- **Management Head – Know Japan International Event:** Managed all programs for an international cultural exchange event.

Research Published

1. Empirical Review on Handwritten Devanagari Script Recognition Techniques using AI Approaches — Inderscience Scopus Journal, 2023.
2. Deep Learning-Based Cataract Detection: A Comprehensive Study and Performance Analysis — IEEE Publication, 2024.

Certifications

- i) Udemy (ZTM) – ML & Data Science Bootcamp | ii) Upgrad – Microsoft Copilot | iii) Data Visualization – Tata Forage
iv) IIT Goa (ACM) – ML & Algo Optimization | v) AWS – Cloud Foundation | vi) Cisco – Data Science & Python