

SAHIL SAHANE

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Data Scientist | LinkedIn: [linkedin.com/in/sahil-sahane-083518206](https://www.linkedin.com/in/sahil-sahane-083518206) | Portfolio: portfolio.sahilsahane.co.in | Mumbai, India

PROFESSIONAL SUMMARY

Data Scientist with 2+ years of experience building ML models, LLM solutions, and data pipelines that drive real business outcomes across e-commerce and FMCG. Proficient in Python, Scikit-learn, TensorFlow, PyTorch, and SQL. Skilled in demand forecasting, NLP, LLM fine-tuning, feature engineering, and translating model outputs into decisions that improve revenue and efficiency.

SKILLS

Machine Learning: Time Series Forecasting, Demand Planning, Supervised/Unsupervised Learning, Clustering, Feature Engineering, Model Evaluation, Hyperparameter Tuning

Deep Learning & NLP: Transformers, LLM Fine-tuning, Speech Recognition, OpenAI Whisper, Hugging Face, NLP, RAG

Programming & Cloud: Python, Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, SQL, AWS Redshift, AWS Glue, AWS Lambda, Git

WORK EXPERIENCE

Data Scientist / Lead Data Analyst – Anveshan Gurgaon, India | *January 2025 – Present*

- Fine-tuned Qwen 3B LLM on 25,000+ domain-specific queries using NLP techniques, deploying an AI chatbot for customer service automation that handles queries end-to-end in production.
- Built demand forecasting models using time series analysis achieving 80–85% accuracy, directly improving inventory planning and reducing stockouts across Blinkit, Zepto, Amazon, and Flipkart.
- Engineered features from Shopify, Google Ads, and Meta Ads data – including 25+ tracked events and UTM attribution – enabling data-driven ad optimisation that cut ad spend by 20% while growing sales.
- Built RTO trend analysis pipeline across 700+ daily orders, reducing return rates by 2–3% monthly; automated ETL on AWS Redshift saving ~2 hrs of daily work per team member.
- Delivered 10+ dashboards covering daily P&L, sales, category analytics, SOV, and customer retention tracking across platforms, contributing to 2x revenue growth in under a year.
- Built customer segmentation models using clustering algorithms, improving campaign targeting and reducing revenue leakage by 31%.

Business Analyst – OM Industries Nashik, India | *January 2024 – December 2024*

- Applied statistical analysis and predictive modeling for demand forecasting, improving planning accuracy to 84%.
- Automated data pipelines using Python, reducing analysis time from hours to 30 minutes.

BI Analyst Intern – K J Somaiya Institute Mumbai, India | *June 2022 – August 2022*

- Performed data cleaning and EDA on 100K+ records; built automated dashboards reducing manual reporting effort by 30%.

MACHINE LEARNING PROJECTS

WhatsApp KPI Alert System | [Demo](#) *Python, FastAPI, AWS Redshift, Playwright*

- Engineered automated data pipeline querying AWS Redshift for 6 KPIs, rendering dynamic dashboard images and delivering to WhatsApp daily – built with FastAPI backend, custom SQL alerts, and Task Scheduler.

AI-Powered SRT Subtitle Generator | [Demo](#) *Python, OpenAI Whisper, Speech Recognition, NLP*

- Designed speech-to-text pipeline using OpenAI Whisper; 90–95% accuracy with punctuation for English, Hindi, and Hinglish, processing 5-minute videos in 30–40 seconds. Deployed as standalone .exe with GUI.

Enterprise LLM Chatbot | PO Allocation Optimizer | Anveshan *Python, Qwen 3B, LLM Fine-tuning, SQL*

- Fine-tuned Qwen 3B on 25,000+ queries for production customer service automation; built inventory optimization system processing 700+ daily orders across 6 fulfillment phases.

EDUCATION

B.Tech in Computer Engineering – K J Somaiya Institute of Technology Mumbai, India | May 2024 | CGPA: 8.57/10.0 – Honours in Blockchain

CERTIFICATIONS

IBM Data Science Professional Certificate (2025) | Master in Data Science and Analytics – ITVEDANT (2025) | Google Data Analytics Professional Certificate (2025)