

Gaurav Topre

[GitHub](#) | [LinkedIn](#) | [Kaggle](#)

Email: gauravtopre.aca@gmail.com

Mobile: +91 7744938435

PROFESSIONAL SUMMARY

Data-driven Data Scientist with 2+ years of experience in designing and deploying advanced machine learning models to drive strategic business decisions and operational benefits. Strong foundation in predictive modeling, customer segmentation, and sales analytics, with a proven ability to convert intricate, multifaceted data into insights that can be put to use. Competent in leading junior data scientists and working with cross-functional teams to provide significant data-driven solutions that improve business performance.

EDUCATION

Dr. Babasaheb Ambedkar Technological University, Lonere
B.Tech in Electronics and Telecommunication Engineering (CGPA: 9.23)

2018 - 2022

SKILLS SUMMARY

- Programming Languages:** Python, Pyspark, R Programming (Basic Knowledge).
- Databases:** MYSQL, Oracle, Hadoop, BigQuery, Teradata
- Business Intelligence Tool:** MS Excel, Tableau, Power BI.
- Machine Learning Algorithms:** Linear Regression, Logistic Regression, KNN, SVM, Decision Trees, Random Forests, XGBoost, LightGBM, ARIMA, SARIMA.
- Statistical Analysis:** Descriptive and inferential statistics, Hypothesis Testing, Regression Analysis.
- Generative AI:** Prompt modeling, RAG, LLM wrappers.
- Soft Skills:** Documentation, Communication, Team Collaboration, and Problem-Solving.

EXPERIENCE

Tesco
Data Scientist (Received value award twice)

Bengaluru, India
Jan 2024 - Present

1. Profit and Ranging Optimization for Enhanced Business Performance:

- Spearheaded profit optimization initiatives that identified over 15 new revenue opportunities, refining product assortment strategies to align with customer preferences and enhance overall sales performance across diverse store types.
- Implemented demand transference analysis to assess the impact of product delisting by identifying substitute products based on customer importance scores, pack sizes, and key business KPIs.
- Achieved a **9% reduction in losses** from underperforming products and **identified £6 million in hidden profit** through strategic implementation.

2. Finance Cockpit:

- Developed an AI-powered financial cockpit to generate real-time KPI reports, enabling faster and more informed decision-making for executives.
- Automated financial reporting processes, reducing manual effort and **saving 10 workdays per month**.
- Improved data accessibility by enabling users to filter and explore detailed historical financial metrics, enhancing reporting flexibility and decision-making efficiency.

Findability Sciences
Data Scientist (Won Innovation competition at FS)

Mumbai, India
Sept 2022 - Jan 2024

1. No Code Business Intelligence Tool:

- Designed a No Code Business Intelligence platform with an LLM-based solution, utilizing prompt designing and Lang-Chain techniques to ensure data privacy.
- Implemented Chat Completion and Instruction Models, achieving responses in 10 seconds, leading to a 35% improvement in KPI accuracy and **\$1200 per month cost reduction**.
- Streamlined natural language query responses, optimizing analytics processes.

2. Multi-Modeling No Code Prediction Engine:

- Worked on a self-learning, automated prediction engine.
- Engineered a proprietary algorithm to generate multiple prediction models, uncover trends, and deliver highly accurate outputs.
- Focused on building and refining classification models for diverse applications, including predictive maintenance, loan default prediction, and customer attrition forecasting.
- Enabled businesses to effortlessly generate actionable prediction reports, delivering valuable insights across various industries and facilitating data-driven decision-making.

Certification

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|---|----------------------------------|
| • Data Science Professional Certificate | View Certificate |
| • Machine Learning | View Certificate |
| • Generative AI With Large Language Models | View Certificate |

Key Achievements

- Awarded with Value Award by Tesco for adding value through the extensive analytical deep dives.
- Winner at Findability Innovation Tank, an inter-organization innovation contest.
- Internal Smart India Hackathon 2020 Winner · World's biggest Student Innovation Hackathon
- Selected as a Team Lead for a team working on Product Development and Research.

Community Contribution

- Conducted session on use of Chat-GPT in day to day life for TWJ (Trade with Jazz).
- YouTube Podcast for guiding Tier 3 College students for entering into Data Science.