

SKILLS

ML	<ul style="list-style-type: none">Supervised Learning, Unsupervised Learning, Deep Learning, Statistical Analysis, Hypothesis TestingNumpy, Pandas, Matplotlib, Seaborn, Scikit Learn, Tensorflow, KerasData Cleaning, Data Visualization, Exploratory Data Analysis (EDA), Excel, PowerBI, DAX
Coding	<ul style="list-style-type: none">Python, SQL, Git
Others	<ul style="list-style-type: none">Apache Spark, PySpark, Data Mining, Web Scraping

WORK EXPERIENCE

Data Analyst Intern (Mahabal Metals Pvt. Ltd Feb 2022 - Jun 2022)	
Tasks	<ul style="list-style-type: none">Operational Loss Analysis of Flywheel, resulting in resolving 60% of Production DefectsWorked on a Camshaft Project to reduce the Rejection. Successful in achieving from 11% to 0%Built Process Capability Report, Box Plots, Trend Graphs, and Pareto Charts for the Camshaft Project

PROJECTS

Customer Segmentation Project (RFM Analysis, Logistic Regression, k-Means, GridSearchCV)

Objective	<ul style="list-style-type: none">Drive revenue growth by segmenting 540K+ e-commerce customers for precision marketing.
Approach	<ul style="list-style-type: none">Developed RFM analysis and leveraged k-Means, Logistic Regression for large-scale transactions.Visualized product and customer trends, mapping segments to actionable insights for strategy optimization.
Impact	<ul style="list-style-type: none">Segmented high-value customers, targeting the top 10% that drive over 60% of revenue.Raised marketing ROI through personalized campaigns, driving 15% retention and 10% order value gains.

Customer Churn Prediction (EDA, XGBoost, GridSearchCV, Pickle)

Objective	<ul style="list-style-type: none">Predict telecom churn using advanced analytics to reduce attrition and boost retention.
Approach	<ul style="list-style-type: none">Analyzed, preprocessed, and engineered features on dataset with 100k record, 9-feature dataset using EDAScaled data robustly, encoded features, and trained Random Forest and XGBoost using GridSearchCVEvaluated models on multiple metrics; deployed the best model as a Pickle for production.
Impact	<ul style="list-style-type: none">Enabled early detection of at-risk customers to drive targeted retention strategies.Delivered insights to marketing and customer success teams, reducing churn and driving data decisions.

Online Retail Data Analysis (Market Basket Analysis, SQL, Excel, Numpy, Pandas, Matplotlib)

Objective	<ul style="list-style-type: none">Analyze e-commerce transactions to segment customers, uncover trends, reduce risk, and boost revenue.
Approach	<ul style="list-style-type: none">Analyzed 500K daily transactions; studied demographics, purchase history, and order cancellations.Tracked profit KPIs (revenue/customer, order value, top seller) and risk KPIs (returns, high-risk).Cleaned data, wrote SQL for KPIs, and executed Market Basket Analysis (support, confidence, lift).
Impact	<ul style="list-style-type: none">Enhanced KPI accuracy, optimizing inventory, reducing risks increasing retention by 15%Enhanced cross-selling and bundling boosting average order values and overall sales.

Analyzing Saudi Arabian Grand Prix 2025 (FastF1 API, Numpy, Pandas, Matplotlib, Seaborn)

Objective	<ul style="list-style-type: none">As a F1 enthusiast, study the Grand Prix weekend to understand car and driver characteristics
Approach	<ul style="list-style-type: none">Used the FastF1 API to get the car telemetry data of the weekend for certain drivers (VER, PIA, HAM, LEC)Compared the telemetry of VER and PIA for Pole Position, analyzing strengths and weakness of their lapStudied HAM, LEC, RUS car telemetry to get better understanding of ERS Deployment
Impact	<ul style="list-style-type: none">Helped in getting to know more about car setups and who is more likely to winComparing drivers of a team, understanding the driver characteristics giving a development direction for the car

EDUCATION

B. Tech Mechanical Engineering (Vishwakarma Institute of Technology | 2018 - 2022)

CGPA	<ul style="list-style-type: none">8.21
Relevant Coursework	<ul style="list-style-type: none">Linear Algebra, Calculus, Python, Probability and Statistics, Data Analysis
Examinations	<ul style="list-style-type: none">Qualified in GATE Data Science and Artificial Intelligence (DA) 2025
Certifications	<ul style="list-style-type: none">Complete Machine Learning and Data Science Program by GeeksforGeeksPython Libraries for Data Science