

Ganesh Ananda Valtule

Master of Technology
Indian Institute of Technology Kanpur

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PROFILE SUMMARY

Data analytics professional with 1+ years of experience in SQL, Python, and BI tools. Skilled in business intelligence, predictive modeling, and data visualization to support data-driven decision-making and improve business performance. Proficient in analyzing complex datasets to extract meaningful insights that drive operational efficiency and strategic growth.

EDUCATION

Indian Institute of Technology, Kanpur <i>Master of Technology in Aerospace Engineering</i>	2022 – 2024 <i>CPI: 7.31/10</i>
Priyadarshini College of Engineering, Nagpur <i>Bachelor of Engineering in Aeronautical Engineering</i>	2018 – 2022 <i>CPI: 9.28/10</i>

INDUSTRIAL EXPERIENCE

Data Analyst Intern ClimAgro Analytics <i>Data Analysis, Data Visualization, Regression</i>	May-2025 to Present <i>Location: Remote</i>
- Analyzed temperature and rainfall data (1901–2023) to identify long-term climate trends across Indian districts - Built interactive geospatial visualizations using Python's GeoPandas & Plotly libraries for climate pattern analysis - Conducted time-series analysis and statistical summarization to support climate impact studies	
Data Scientist & Data Science Trainer Geeks of Gurukul <i>Machine Learning, Dashboards, Data Science Training</i>	Sept-2024 to Jan-2025 <i>Location: Bhopal</i>
- Mentored 150+ B.Tech students in python and SQL, supporting 10+ industry-relevant projects - Developed an interactive Power BI dashboard to track and analyze the academic performance of 300+ students, enabling data-driven insights into attendance, assignment completion & overall progress for improved academic decision-making - Developed ML models using Random Forest with 75% test accuracy in predicting students Performance	
Business Analyst and startup strategist Intern Finlatics <i>Data Analysis, Report making</i>	May-2023 to Sept-2023 <i>Location: Remote</i>
- Authored reports optimizing margin improvement & revenue growth for an Indian IT firm with 5,000+ employees - Evaluated and interpreted sales & revenue data to uncover key insights for an Auto Parts Company, creating interactive dashboards that streamlined trend visualization	

PROJECTS

Sales Trend Analysis & Segmentation with Tableau and SQL Data Analysis, SQL, Tableau
- Conducted SQL-analysis & Prepared Tableau dashboards, leading to a 30% improvement in trend visualization accuracy - Identified patterns in product co-occurrence and regional sales trends to deliver actionable insights for strategic decisions - Utilized advanced statistical techniques for hypothesis testing and model evaluation, ensuring robust predictive analysis
Classification of Amazon Fine Food Reviews NLP, Machine Learning, Python
- Analyzed customer reviews, applying text preprocessing and feature engineering with bag-of-words and TF-IDF - Utilized Logistic Regression and Random Forest models to analyze and classify Amazon Fine Food Reviews. Achieved optimal results with Logistic Regression: accuracy of 0.84, precision of 0.89 & F1 score of 0.86 on the negative class
Predicting Fraud in Financial Payment Services Data Analysis, Financial data, Classification
- Performed fraud detection analysis on financial transaction data, focusing on data cleaning and handling class imbalance - Applied advanced feature engineering techniques to enhance model accuracy and uncover key fraud indicators - Implemented XGBoost for classification, achieving an AUPRC of 0.99, and created visualizations such as correlation matrix & 3D plots to interpret feature importance and fraud patterns

RELEVANT COURSES

IIT Kanpur: Introduction to Machine Learning, Machine Learning Applications in Financial Markets Coursera: Google Advanced Data Analytics, Mathematics for Machine Learning and Data Science by DeepLearning.ai Udemy: SQL-MySQL for Data Analytics and BI, Python for Data Science and Machine Learning Bootcamp, Complete Generative AI Course With Langchain and Huggingface
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SKILLS

Programming Languages: MATLAB, Python, SQL Software and Libraries: Power BI, Advanced Excel, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Geopandas, Plotly Soft Skills: Excellent Communication, Decision-making, Storytelling, Collaboration, Flexibility Other: Natural Language Processing, Predictive Modeling, Data Mining, Machine Learning, Data Visualization, Deep Learning, Generative AI, Time Series Modelling, Climate Analysis
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ACHIEVEMENTS

- Secured an All India Rank 126 in GATE-AE 2022 - Authored Medium blogs garnering over 1,700 views on topics in Mathematics and Innovation
