GLANET JESHMA CASTELINO

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PROFESSIONAL SUMMARY

Data Analyst with 1+ year of experience in data analysis and 3+ years in healthcare technology. Skilled in Python, SQL, Power BI, and Excel. Passionate about transforming complex data into actionable insights that enhance efficiency and drive informed decisions.

EDUCATION

Manipal Institute of Technology, Manipal, Karnataka July 2022 - Nov 2024
M.Tech in Medical Informatics CGPA: 8.64/10

Rajiv Gandhi Institute of Technology, Bangalore, Karnataka 2014 - 2018
B.E. in Biomedical Engineering

SKILLS

Data Analytics	SQL (CTEs, Joins, Window Functions), Python (Pandas, NumPy, Matplotlib, Seaborn)
Visualization	Power BI (DAX, ETL, Data Modeling), Excel (Pivot Tables, Power Query, Macros)
Machine Learning	Scikit-learn, TensorFlow, Regression, Classification, Clustering
Tools	MySQL Workbench, Jupyter Notebook, Git/GitHub, VS Code
Business Skills	Stakeholder Management, Process Improvement, Documentation

EXPERIENCE

Data Science Elite Course - Bootcamp July 2025 - Present
OdinSchool *Remote*

- Completed an intensive Data Science curriculum, applying data cleaning, EDA, visualization, and statistical modeling to solve 10+ real-world business problems. Developed and integrated 7 key portfolio projects demonstrating advanced skills in Python, SQL, and Power BI.

M.Tech Student Intern - Data Analysis & Clinical Algorithms July 2023 - July 2024
Bosch Global Software Technologies (BGSW) *Bangalore, India*

- Developed deep learning models for the Bosch's digital pathology device to classify white blood cells achieving 76% accuracy with Grad-CAM explainability across 7 WBC types, reducing manual analysis time by 60%.
- Analyzed 1,000+ peripheral smear images using statistical metrics (SSIM, PSNR, MSE, mean, StdDev) to evaluate stain normalization, improving image quality assessment by 20%.
- Conducted unit testing on 50+ clinical algorithm test cases, ensuring 95% accuracy in automated blood cell detection for digital pathology device validation.
- Supported clinical validation of hemoglobin testing device through data collection and statistical analysis from 100+ patients in maternity hospital setting.

Clinical Specialist Feb 2020 - Apr 2022
Inito (Samplytics Technologies Pvt. Ltd.) *Bangalore, India*

- Analyzed 200+ monthly technical support cases across Indian and U.S. markets using Excel and data tracking tools, maintaining 95% customer satisfaction through data-driven troubleshooting and root cause analysis.
- Coordinated clinical trials and analyzed trial data for 500+ users using statistical methods to evaluate device accuracy, supporting pre-launch testing of fertility products and reducing device error rate by 12%.
- Part of the initial launch team for U.S. shift operations, collaborating with cross-functional teams to optimize workflows and improve response time by 40%.

- Trained and onboarded new clinical specialists, creating standardized documentation and training materials that reduced onboarding time by 30%.

Area Manager - Clinical Sales & Application Apr 2019 - Dec 2019
Hemant Surgical Industries Ltd. *Bangalore, India*

- Increased product adoption by 25% through data-driven sales strategies and market analysis for surgical disposables and diagnostic products. Delivered technical training to corporate hospitals, including Manipal Hospital, achieving product conversion from 3M competitors and 30

PROJECTS

Laptop Price Insights: ML Meets Power BI [Python, Power BI] - GitHub - Oct 2025

- Built a predictive model using Scikit-learn, achieving R^2 of 0.89 through EDA, feature engineering, and hyperparameter tuning on 1,200+ records. Integrated model insights into an interactive Power BI dashboard using DAX for real-time pricing analytics.

Global Layoff Trends Analysis Using SQL [SQL] - GitHub - Jul 2025

- Performed data cleaning and exploratory analysis on a global layoffs dataset (2020–present) using CTEs, window functions, and subqueries on 500+ records. Identified industry and country patterns to assess COVID-19 impact and post-pandemic recovery across tech and non-tech sectors.

Exploring Coffee Quality Data with Power BI [Power BI, Excel] - GitHub - Sept 2025

- Cleaned and transformed Coffee Quality Institute dataset using Power BI to explore relationships between sensory attributes, processing methods, and regional variations across 207 samples and 47+ coffee varieties from 15+ countries through interactive dashboards.

IoMT Healthcare Risk Prediction [Python, Excel] - GitHub - Nov 2025

- Developed a classification model to predict patient risk levels (Healthy, At Risk, Critical) using Scikit-learn, achieving 93.3% accuracy. Built an Excel dashboard integrating statistical analysis and predictive modeling to identify key risk indicators.

PUBLICATIONS

- **Explainable Deep Learning for Dermatology: Psoriasis vs. Eczema** - Lead Author - IEEE ICRAIS 2024. Fine-tuned 5 deep learning models for binary skin disease classification, achieving 88% accuracy using ResNeXt-50 and Grad-CAM visualizations. Published in IEEE Xplore - Aug 2024 - Link

CERTIFICATIONS

- Data Science Bootcamp – OdinSchool (2025)

- Introduction to Data Analytics – IBM (Coursera, 2025)

- SQL for Data Science – University of California, Davis (Coursera, 2025)

- Introduction to Web Development - Winner, Best Project Challenge (Code First Girls, UK, 2022)