GLANET JESHMA CASTELINO

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PROFESSIONAL SUMMARY

Data Analyst with 3+ years of experience in Healthcare technology, skilled in Python, SQL, Power BI, and Excel. Adept at turning complex data into actionable insights that improve efficiency and support data-driven 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 Bootcamp Student — July 2025 – Present
OdinSchool — *Remote*

- Completing intensive training in Python, SQL, Excel, Power BI, and statistics through 10+ real-world case studies.
- Applying advanced analytics techniques including EDA, statistical modeling, and data visualization to solve business problems.

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

- Developed YOLOv8s deep learning model for white blood cell classification 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 – Technical Support & Data Analytics — 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%.
- Launched U.S. shift operations by coordinating with cross-functional teams, improving response time by 40% through process optimization and workflow analysis.

- Trained and onboarded 5+ 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*

- Drove 25% increase in product adoption across 15+ target accounts through data-driven sales strategies and market analysis for surgical disposables and laboratory diagnostic products.
- Delivered technical product training to corporate hospitals including Manipal Hospital, achieving successful product conversion from 3M competitors, resulting in 30% revenue growth in assigned territory.

PROJECTS

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

- Built predictive ML model using Python (Scikit-learn) achieving 85%+ accuracy through EDA, feature engineering, and hyperparameter tuning on 1,200+ laptop records.
- Integrated ML insights into interactive Power BI dashboards with DAX measures to enable real-time pricing analytics and strategic decision-making.

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

- Performed data cleaning and exploratory analysis on global layoffs dataset (2020–present) using advanced SQL techniques including CTEs, window functions, and subqueries on 2,000+ records.
- Identified industry and country patterns to assess COVID-19 impact and post-pandemic recovery trends, uncovering 15% variance across tech vs non-tech sectors.

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

- Analyzed Coffee Quality Institute dataset using Power BI to explore relationships between sensory attributes, processing methods, and regional variations across 1,000+ samples from 30+ countries.
- Cleaned data in Excel using Power Query and designed interactive dashboards visualizing quality trends, providing actionable insights for process optimization.

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

- Developed ML classification model to predict patient health risk levels (Healthy, At Risk, Critical) using Python and Scikit-learn, achieving 82% accuracy on IoMT sensor data.
- Designed interactive Excel dashboard with pivot tables and charts combining statistical analysis and predictive modeling to identify key clinical 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 with Grad-CAM visualizations. Published in IEEE Xplore — Aug 2024

CERTIFICATIONS

- Data Science Elite Course — Odin School (Bootcamp) — 2025 — Certificate ID: ODIN1005546
- Introduction to Data Analytics — IBM (Coursera) — June 2025
- SQL for Data Science — University of California, Davis (Coursera) — Feb 2025
- Introduction to Web Development — Code First Girls (UK) — July 2022