GLANET JESHMA CASTELINO

Data Analyst

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📍 Bangalore, Karnataka

Professional Summary

Analytical and curious Data Analyst with 3+ years of cross-functional experience in healthcare technology and diagnostics. Skilled in Python, SQL, Power BI, and machine learning with hands-on experience in clinical algorithm development and deep learning-based image classification. Passionate about leveraging data to improve processes and support decision-making, particularly in healthcare and technology-driven environments

Experience

Data Science Bootcamp
OdinSchool

Remote
07/2025 - Present

- Participating in a hands-on Data Science and Analytics Bootcamp covering Python, SQL, Excel, statistics, Power BI, and real-world case studies. Practicing EDA, statistical analysis, and business problem-solving with datasets from various industries.

M.Tech Student Intern
Bosch Global Software Technologies (BGSW)

Bangalore, India
07/2023 -07/2024

- Developed clinical algorithms to analyze peripheral smear images using a digital pathology device for corporate project "**Deep Learning Approach for localizing and distinguishing white Blood Cells and its precursors in Microscopic Images**"
- Digitized peripheral smear images and performed data annotation and analysis
- Analyzed pixel distribution of original vs. stain-normalized images using histogram and evaluation metrics (mean, median, mode, StdDev, SSIM, MSE, PSNR, chi-square) across RGB channels.
- Conducted **unit tests** on clinical algorithm test cases for the digital pathology device
- Supported clinical validation of a non-invasive, point-of-care hemoglobin testing device in a maternity hospital setting
- Researched fertility tracking concept through UX interviews with fertility experts.
- **Presented the Fertility tracking product concept at two BGSW forums** (Hackers Garage Session and MED- TECH)

Clinical Specialist
Inito (Samplytics Technologies Private Limited)

Bangalore, India
02/2020 - 04/2022

- **Provided primary clinical support** by delivering technical assistance and troubleshooting for diagnostic tests, patient health concerns, and system issues in a high-volume, user-centric environment serving both Indian and U.S. markets.
- **Coordinated with clinical scientists on blood and urine trials** to evaluate device accuracy with real-time users. Supported pre-launch testing of fertility products and software, including trial coordination and reputation management.
- **Played a key role in launching U.S. shift operations;** coordinated closely with hardware and software teams **during early U.S. market entry**.
- **Trained and onboarded** new clinical specialists to ensure seamless support for U.S. operations.

Area Manager-Clinical Sales & Application
Hemant Surgical Industries Limited

Bangalore, India
04/2019 - 12/2019

- Drove sales and conversion of **surgical disposables and laboratory diagnostic products** from JMS Co. Ltd. (Japan) and Hemant Surgical Industries Ltd., contributing to business growth and market reach.
- Generated sales and provided product training and technical support for medical-grade consumables, including JMS Meditape, **to leading corporate hospitals such as Manipal Hospital**; contributed to **successful product conversion from 3M competitors.**

Education

M.Tech in Medical Informatics
Manipal Institute of Technology

Manipal, Karnataka, India
07/2022 - 11/2024

B.E. in Biomedical Engineering
Rajiv Gandhi Institute of Technology

Bangalore, Karnataka, India
07/2014 - 07/2018

Languages

English Native ●●●●●
Hindi Native ●●●●●
Konkani Proficient ●●●●○

Arabic Beginner ●○○○○
Kannada Beginner ●○○○○

Key Skills

- **Data Analysis & Visualization**: Python, SQL, Excel, Power BI, Pandas, NumPy, Statistics
- **Machine Learning**: Scikit-learn, TensorFlow, PyTorch, Regression, Classification, Clustering
- **Tools & Platforms**: Jupyter Notebook, Visual Studio Code, Spyder, MySQL, MySQL workbench, GitHub
- **Soft Skills**: Problem Solving, Analytical Thinking, Attention to Detail, Team Collaboration

Projects/Publications

Deep Learning for White Blood Cell Classification and Localization
Corporate M.Tech Project, Bosch Global Software Technologies — Jul 2023 – Jul 2024
- Developed a YOLOv8s model to detect and classify 7 types of white blood cells with Grad-CAM explainability; achieved 76% accuracy

Explainable Deep Learning for Dermatology: Psoriasis vs. Eczema
Lead Author | IEEE Conference (ICRAIS 2024) — Aug 2024 – Dec 2024
- Published in IEEE Xplore: https://ieeexplore.ieee.org/document/10811706
- Fine-tuned 5 deep learning models for binary skin disease classification; achieved 88% accuracy using ResNeXt-50 (32x4d) with Grad-CAM visualizations

Deep Learning-Based Osteoarthritis Classification Using X-Ray Images
Lead Author | ICCMEH 2023 Conference — Jan 2023 – Jun 2023
- Designed and trained binary classification models using MobileNet (97.49% accuracy) and DenseNet169 (94.07%) for osteoarthritis detection

Restaurant Order Analysis Using SQL
Personal Data Analytics Project — May 2025 – Jun 2025
- Analyzed restaurant order data (Maven Analytics case study) using MySQL to uncover pricing trends, popular cuisines, and customer behavior
- GitHub: - https://github.com/g22-yello/Restaurant_Order_Analysis__MySQL_Project

Certification

Introduction to Data Analytics – IBM (Coursera) | Jun 2025

SQL for Data Science – Coursera, University of California, Davis | Feb 2025

Introduction to Web Development– Code First Girls (UK) | Jul 2022