

Hansel Joaquim D'souza

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Tableau Public: <https://public.tableau.com/app/profile/hansel.joaquim.d.souza/vizzes>
Stamp 1G Visa- Eligible to work full time.

PERSONAL PROFILE

Highly analytical and detail-oriented Data Analyst with a strong background in data visualization, IT management, and database administration. Expertise in using tools such as Tableau, Power BI, and SQL, along with programming languages like Python and R to provide insights that enhance business strategies. Backed by 3 years of experience supporting critical systems in the banking sector and driving operational efficiency through data-driven decision-making, I bring a strong foundation in data analytics, I bring a strong foundation in data analytics, database administration, data science, and business intelligence. I have completed my Master's in Data Analytics at the University of Galway and Masters in Information Technology from University of Mumbai. I am seeking to leverage my skills in a dynamic data environment in Ireland.

PROFESSIONAL EXPERIENCE

1. Mawdy Ireland Ltd

Assistance Coordinator | September 2025 - Present (Full Time)

2. Bassein Catholic Co-Operative Bank Ltd: 6th December 2021 - 1st August 2024

|INFORMATION TECHNOLOGY OFFICER (IT Officer)

- Visualized data from diverse sources and analyzed using analytical tools like Tableau and Power BI, employing bar charts, donut charts, scatter plots, and trend lines to uncover insights that enhanced business strategies.
- Created Oracle Linux system setup on a virtual environment using the VMWare application.
- Creation of Oracle database 19C and setting up all the production prerequisites.
- Applied Oracle patch sets to Oracle database.
- Performance tuning and upgradation of database servers and applications.
- Performed database logical backups using data pump and export/import utilities for faster recovery of database objects.
- End-to-end configuration and support of Sms Channels and Applications with Banking templates & Banking Sms distribution.
- Oracle Batch Process Activity.
- Swift Application(Total Messaging & Notiva) end-to-end support.
- NEFT/ RTGS Digital channel end-to-end backend support.

3. My Celeb Swag: July 2020- August 2020 | Digital Marketing Internship

4. Yes U Tours & Travels: June 2020- July 2020 | Digital Marketing Internship

EDUCATION

1. **Master's in Computer Science (MSc)- Data Analytics |University of Galway (2024-2025)**
2. **IBM Advanced Diploma in Data Science & Analytics- 2021 to 2023**
Certification Details-<https://www.credly.com/users/hansel-joaquim-d-souza>
3. **Master's in Information Technology (MSc IT)- University of Mumbai (St. Gonsalo Garcia College) | (2020 - 2022) | CGPA- 9.21 | PERCENTAGE- 78.46%**
4. **Bachelor of Science in Information Technology (BSc IT)- University of Mumbai (St. Gonsalo Garcia College) (2017 - 2020) | CGPI- 7.77**
5. **Higher Secondary Education (HSC) (Thomas Baptista Junior College) (2015 - 2017) |Percentage- 59.08%**
6. **State Board of Secondary & Higher Secondary Education (SSC) (Vidya Vikasini English High School) (2015) |Percentage- 83.60%**

TECHNICAL SKILLS

- **Languages:** Python, R-Programming, HTML/CSS, MS-SQL, Oracle-SQL, SSMS
- **Data Visualization:** Tableau, Power BI, Talend, UML
- **Data Manipulation:** Google Sheets, Microsoft Excel, Microsoft Word.

PROFESSIONAL CERTIFICATIONS

1. Python for Absolute Beginners ([Udemy](#))
2. Python for Machine Learning ([Great Learning](#))
3. Oracle DBA 11g/12c - Database Administration ([Udemy](#))
4. Data Visualization with Power BI ([Great Learning](#))
5. Data Visualization with Tableau ([Great Learning](#))
6. Data Visualization with R-Programming ([Great Learning](#))
7. Introduction to R ([Data Camp](#))

PROJECTS

1. **FAIRAI- Fair and Transparent Churn Prediction Through Mixture of Expert-Based AI Model:** Developed a fair churn prediction system using Mixture of Experts (MoE) architecture on a real-world Irish financial dataset ensuring fairness, transparency, explainability, and an ethical AI governance model that balances business, fairness goals, traceability, and accountability that supports sustainable growth of the organization.
2. **Marketing & Loan Analysis.** : Analyzed current and historical data on loans across the bank's branches, identifying key trends to strategically enhance in-house facilities, resulting in a projected increase in customer engagement.
3. **BookMyCare:** Developed an integrated Android application that provided information on nearby hospitals, including bed availability, ambulance services, and doctor schedules. It also includes a premium account feature whereby the user can pay a minimal charge and avail of additional facilities. Developed on Android Studio

and MySQL as the backend Database.

4. **Mercedes-Benz-Greener Manufacturing:** Optimized testing speed on the bench by implementing complex algorithmic approaches, reducing test duration to pass the testing phase, and contributing to a decrease in carbon dioxide emissions by the vehicles. Created on Anaconda(Jupyter), Tableau & Microsoft Excel.
5. **Mobile Game Trends (2008-2019):** First, logically merged data from 9 tables using MS-SQL resulting in a comprehensive dataset with large records. Then developed an executive graphical and technical analysis of the trends on mobile games between 2008 to 2019, which saw the rise of mobile gaming peak. Different age groups and gaming genres were identified that could be included to improve marketing strategies, ultimately contributing to an increase in profitability and customer satisfaction. Implemented using tools like Tableau and Python.
6. **Walmart Retail Sales Analysis:** Analyzed sales performance data to identify peak periods, popular products, and geographical variations, enhancing inventory management and marketing strategies, ultimately contributing to an increase in profitability and customer satisfaction. Implemented using tools like Tableau & Power BI.
7. **Google Play Store Analysis & Covid-19 India Analysis:** Analysis of the Google Play Store dataset from Kaggle to identify various aspects and approaches that are needed to demonstrate a meaningful dashboard.
8. **Arsenal Football Club's Invincible Season (2003/04):** Full graphical Tableau dashboard describing Arsenal FC's unbeaten campaign, where they were crowned invincible champions of the English Premier League. A detailed storytelling format to keep the viewer engrossed and understand the historic achievement.
9. **Word Happiness Index (2002):** Analyzed historical data across cities on World Happiness Index official data (2002) on Tableau and coding through Python Jupyter to identify key trends to strategically classify each index of each city across the world.
10. **Languages of India:** A Full graphical dashboard in a storytelling format created on a tool like Tableau, describing all the languages of India, highlighting its rich cultural heritage and diversity all across the country.

EXTRA CURRICULAR

- Team Captain in the Inter-class Rink football tournament at the University level. (Mumbai)
- Winning 3 times in succession in the Tug-of-War tournament at the University level. (Mumbai)
- Host for the local football tournament at Vasai, Mumbai.
- Host for Esports Tournament at Vartak Engineering College, Vasai Mumbai.