

# Ankith Babu Joseph

## Data Analyst

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LinkedIn | GitHub | Portfolio

## PROFESSIONAL SUMMARY

Master's in Data Analytics graduate with 8+ years of professional experience in banking and data operations. Proficient in Python, R, SQL, Tableau, and Power BI. Skilled at turning data into clear insights that support business decisions and improve efficiency.

## PROFESSIONAL EXPERIENCE

### Administrative Assistant - Data

Feb 2025 - Present

Nexus Ventures Limited

Dublin, Ireland

- Streamlining administrative workflows by implementing automated data processing scripts, reducing reporting time by 20%.
- Utilizing Python and Excel to analyze operational data, identifying key trends that support strategic resource allocation.
- Maintaining data integrity across internal databases through rigorous cleaning and validation protocols.

### Laboratory Assistant - Data Analytics

Sep 2024 - Jan 2025

National College of Ireland

Dublin, Ireland

- Mentored 50+ MSc students in advanced data analytics concepts, including machine learning algorithms and statistical modeling in Python and R.
- Facilitated weekly practical sessions, ensuring 100% of students successfully completed complex data visualization projects.
- Collaborated with faculty to refine course materials, ensuring alignment with current industry standards and tools.

### Assistant Manager

Oct 2022 - Apr 2023

The Federal Bank Ltd.

Kerala, India

- Co-managed branch operations, overseeing a portfolio of high-value accounts and ensuring seamless service delivery.
- Led a team of 5 associates, implementing performance tracking systems that increased team productivity by 15%.
- Achieved 100% compliance with banking regulations and audit requirements through meticulous record-keeping and process oversight.

### Customer Associate

Jul 2015 - Oct 2022

The Federal Bank Ltd.

Kerala, India

- Processed an average of 150+ daily transactions with 99.9% accuracy, consistently exceeding operational targets.
- Resolved complex customer issues, maintaining a high customer satisfaction score and fostering long-term client relationships.
- Managed cash logistics and vault operations, ensuring strict adherence to security protocols and zero discrepancies.

## EDUCATION

### MSc in Data Analytics

2024 - 2025

National College of Ireland

Dublin, Ireland

First-Class Honours (1:1)

## TECHNICAL SKILLS

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**Data Analysis & Programming:** Python (Pandas, NumPy, Scikit-learn), R, SQL, Tableau, Power BI  
**Web Technologies:** HTML5, CSS3, JavaScript, Git/GitHub  
**Tools & Software:** Microsoft Excel (Advanced), Visual Studio Code, Jupyter Notebooks  
**Soft Skills:** Strategic Planning, Team Leadership, Stakeholder Management, Problem Solving  
**Languages:** English (Fluent), Malayalam (Native)

## KEY PROJECTS

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### **Air Quality Index Forecasting using VMD-FAN Hybrid Model** | <https://github.com/ankithbjoseph/vmd-fan>

Master's thesis developing a novel hybrid model combining Variational Mode Decomposition (VMD) and Fourier Analysis Networks (FAN) for accurate Air Quality Index forecasting. Achieved 1.49% MAPE on Taiwan air quality data, outperforming baseline models.

### **Predictive Analytics for Churn** | <https://github.com/ankithbjoseph>

Developed a machine learning model using Python (Scikit-learn) to predict customer churn in the banking sector. Achieved 85% accuracy using Random Forest and Logistic Regression algorithms. Visualized key churn drivers using Power BI dashboards.

### **Sales Performance Dashboard** | <https://github.com/ankithbjoseph>

Designed an interactive dashboard in Tableau to track regional sales performance. Integrated SQL data sources to provide real-time insights, enabling management to identify underperforming regions and optimize inventory.

### **Predictive Analytics Churn** | <https://github.com/ankithbjoseph>

Developed a machine learning model using Python (Scikit-learn) to predict customer churn in the banking sector. Achieved 85% accuracy using Random Forest and Logistic Regression algorithms. Visualized key churn drivers using Power BI dashboards.

## CERTIFICATIONS

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**CAIIB (Information Technology)** - Indian Institute of Banking & Finance

Jul 2018

**JAIIB** - Indian Institute of Banking & Finance

Dec 2017