

Akshay Balkrishna Sakpal

Data Analyst | SQL • Power BI • Python (Pandas)

Dublin, Ireland

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 **Stamp 1G – Full-time availability | No sponsorship required**

Professional Summary

Data Analyst with a strong technical foundation and hands-on experience in SQL, Power BI, Excel, and Python for data cleaning and analysis. Recently completed a Master's in Computing (Data Analytics) from Dublin City University. Experienced in analyzing complex datasets, building dashboards, and translating data into actionable business insights. Background in anomaly detection and system metrics analysis strengthens root-cause analysis and KPI investigation skills. Actively seeking Data Analyst / Junior Data Analyst / BI Analyst roles in Ireland.

Core Skills

- **Data Analysis:** SQL (joins, subqueries, CTEs, window functions), Excel (Pivot Tables, XLOOKUP, SUMIFS), Python (pandas)
 - **Data Visualization:** Power BI (data modeling, DAX basics, KPI dashboards)
 - **Data Preparation:** Data cleaning, handling missing values, outlier detection, data validation
 - **Analytics Concepts:** OLAP vs OLTP, KPI tracking, trend analysis, root-cause analysis
 - **Tools & Tech:** PostgreSQL/MySQL, Power BI Desktop, Python, Jupyter, Git (basic)
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Education

Master of Science in Computing (Data Analytics)

Dublin City University (DCU), Ireland

Completed – Convocation: 1 Oct 2025

Key Focus Areas: - Data Analytics & Visualization - Statistical Analysis - Machine Learning Fundamentals - Big Data & Cloud-based Analytics

Bachelor of Engineering in Information Technology

University of Mumbai, India

2019 – 2022 | Graduated 2022

- Core IT subjects: Databases, Data Structures, Software Engineering, Computer Networks
 - Strengthened analytical and problem-solving skills through academic projects
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Bachelor of Computer Applications (BCA)

Bharati Vidyapeeth University, India

2016 – 2019

- Foundation in programming, databases, and computer applications
 - Early exposure to data handling, reporting, and application development
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Projects

Business KPI & Anomaly Analysis Dashboard

Tools: SQL, Python (pandas), Power BI - Analyzed historical business metrics to identify KPI drops and abnormal patterns. - Used SQL to extract and aggregate data from relational tables. - Cleaned and transformed data using Python and Excel. - Built an interactive Power BI dashboard to track trends, anomalies, and performance metrics. - Delivered insights and recommendations to improve operational monitoring and decision-making.

Multivariate Anomaly Detection for Memory Leak Identification

Tools: Python, LSTM, Autoencoders, JVM Metrics - Simulated memory leaks in a Java application and collected multivariate system metrics. - Implemented deep learning-based anomaly detection models to identify abnormal memory behavior. - Compared performance with density-based methods (e.g., DBSCAN). - Strengthened analytical thinking for detecting unusual trends and root causes in complex datasets.

Experience

Data Science / Core Python Intern

Dezignolics – Web & Software Company, India

Feb 2021 (15 days) - Completed a short-term internship focused on **Core Python and data handling**. - Worked on basic data manipulation, logic building, and scripting tasks. - Strengthened foundations in Python programming and analytical thinking. - Gained early exposure to applying programming concepts in a professional environment.

Part-Time Chef

The Fallow Restaurant, Dublin Airport, Ireland

May 2024 – Present - Worked in a fast-paced, high-pressure environment requiring accuracy, discipline, and time management. - Collaborated with team members to meet operational KPIs and quality standards. - Developed strong communication and problem-solving skills transferable to analytics roles.

Digital Marketing Intern

India

2018 | 6 months - Analyzed social media and campaign performance metrics to support marketing decisions. - Assisted in content performance tracking and basic reporting. - Gained early experience working with data-driven decision-making.

HR Freelance Associate (Short-Term)

Remote

2 months - Supported recruitment coordination, screening, and basic candidate data tracking. - Maintained structured records and reports for HR activities.

Sales & Operations Support (Remote)

Remote

2 months - Supported online sales operations and customer interactions. - Tracked basic sales metrics and performance indicators.

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Certifications & Learning (Focused)

- SQL for Data Analysis – Practice via HackerRank & hands-on projects
 - Power BI for Data Analytics – Dashboard development & DAX basics
 - Python for Data Analysis – pandas-based data cleaning and transformation
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Availability & Work Authorization

- **Stamp 1G (Graduate Visa)**
 - Eligible for **full-time roles in Ireland**
 - Available for **immediate start**
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