

# Alan Thomas

Dublin, Ireland — [alanthomas2999@gmail.com](mailto:alanthomas2999@gmail.com) — [linkedin.com/in/alan-thomas-b3496a182](https://www.linkedin.com/in/alan-thomas-b3496a182)

## Professional Summary

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Entry-level Data Analyst with hands-on project experience in data cleaning, reporting, and dashboard development using Power BI and Python. Comfortable working with structured datasets, creating KPI-driven visualizations, and automating repetitive tasks to improve efficiency. Strong technical foundation in modern web development (React, Vue, Node.js) and REST APIs, enabling reliable data integration and scalable reporting solutions.

## Skills

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**Analytics & BI:** Power BI (data modelling, DAX, dashboards), Python (pandas, automation), SQL, Excel (Power Query, PivotTables)

**Development:** JavaScript, React, Vue.js, Node.js, REST APIs

**Core Competencies:** Data cleaning & validation, KPI reporting, exploratory data analysis, stakeholder-ready reporting

**Tools:** Git/GitHub, VS Code

## Selected Projects

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**Power BI KPI Dashboard (Portfolio Project)** *Power BI, DAX, Excel/CSV*

- Built an interactive dashboard to track key metrics and trends with drill-down views for quick analysis.
- Modeled data relationships and created DAX measures (e.g., growth, variance, rolling totals) to support consistent reporting.
- Applied data validation and refresh-ready structure to improve reliability and ease of reuse.

**Data Cleaning & Reporting Automation** *Python, pandas*

- Developed Python scripts to clean datasets (handling missing values, formatting, standardizing fields) and generate reusable outputs.
- Automated recurring manual steps such as file consolidation and basic report preparation to reduce repetitive work.
- Produced summary tables suitable for BI ingestion and stakeholder reporting.

**Data-Driven Web App (Analytics Display)** *React/Vue, Node.js, REST APIs*

- Built a web interface to display analytics outputs and structured reports in a clean, user-friendly format.
- Implemented API-based data retrieval and basic backend logic to support scalable data handling.
- Used version control (Git) and modular components to keep the project maintainable.

## Education

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**MSc Data Analytics** *2024 – 2025*  
National College of Ireland, Dublin

## Additional

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Eligible to work in Ireland; open to Entry-level Data Analyst / BI Analyst / Reporting Analyst roles.