

# Glenn Tarpey

Navan, Meath

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## OBJECTIVE STATEMENT

Analytical, tech-savvy, and innovative leader in the Business Intelligence domain. Keen to leverage solid academic background in Data Analytics, Computer Engineering and Project Management coupled with vast experience in solving problems with the right combination of technology and people skills.

## EDUCATION

**Postgraduate Diploma in Science in Data Analytics – Merit**  
CCT College Dublin

**Jan 2023 – Nov 2024**

**Certified Project Management Associate – First Class Honors**  
Institute of Project Management Ireland

**Jan 2021 – May 2021**

**H.Dip. - Data Analytics – First Class Honors**  
Dublin Business School, Ireland

**Mar 2019 – Sep 2020**

**B.Eng. - Computer Engineering - Distinction**  
Institute of Technology Blanchardstown, Ireland

**Sep 2015 – Nov 2018**

## CORE COMPETENCIES

- Data Manipulation
- Data Analysis
- Data Visualization
- Python Programming
- AWS
- Structured Query Language (SQL)
- Machine Learning Models
- Extract, Transform and Load
- Systems Design
- Project Management
- Problem Solving
- Staff Training
- Cross-functional Collaboration
- Leadership
- Continuous Improvement

## TECHNICAL SKILLS

**Data Tools:** PowerBI, Tableau, R studio, RapidMiner, Pandas, Numpy, Web Scraping, Sentiment Analysis, Docker  
**Programming Languages:** Python, SQL, Linux Shell, MicroPython, C, VBA  
**Cloud:** AWS - S3, EC2, IoT Core, DynamoDB, Lightsail, EMR

## PROFESSIONAL EXPERIENCE

**Business Data Analyst - DPS**

**Nov 2021 – Present**

- Providing expert data analysis supporting Europe's largest semiconductor project
- Handling vast amounts of data and extracting meaningful insights/metrics
- Creating, Deploying and Maintaining bespoke Dashboards enhancing construction/design operations.
- Providing solutions to senior management, resulting in improved efficiency and cost savings
- Collaborating with subject matter experts across various departments and industries.

**Project Manager – Mitie**

**May 2021 – Nov 2021**

- Planned, executed and delivered on a vast data migration involving over 1000 locations.
- Managed and conducted Data Analysis, providing QA/QC to assure data integrity.
- Monitoring of project quality and deliverables.
- Leading cross-functional teams toward project goals.

**Engineering Systems Lead – Techworks Marine****July 2020 – April 2021**

- Leading teams on multiple projects with varying requirements.
- Mentoring team members towards their personal/professional goals.
- Planning and coordinating of project scope, planning and execution.
- Putting procedures in place to assure QA/QC standards were achieved.

**Embedded Systems Engineer - Techworks Marine****Mar 2019 – July 2020**

- Creation of Data Logger systems for collection and processing of environmental data in coastal environments
- Development and Optimization of existing systems in test and live productions.
- Managing and developing software for multiple projects simultaneously.
- Writing training material to upskill co-workers as well as conducting training classes.

**Operations Technician - Intel****Jun 2018 – Feb 2019**

- Monitored tools for interrupts and correcting/escalating errors.
- Responsible for the effective and simultaneous operation of approximately 56 factory tools.
- Dispatched equipment resources to address unrecoverable equipment problems.

**P R O J E C T S****Sentiment Analysis vs Stock Market (Final year DBS):**

This project entails a software package written in python that gathers news and social media data from multiple APIs and Web Scraping modules. This data is fed into a Sentiment Analysis module using the VADER lexicon to gather sentiment scores. These scores along with historical stock market data are used to generate forecasts using a variety of models including ARIMA, ARIMAX and VAR. Finally these models are displayed to the user in a dashboard used for analysis.

**Minibuoy (Techworks Marine):**

A small buoy capable of being deployed easily for a long period of time to sample environmental parameters in rivers, lakes, and sheltered estuarine water. This involved an entire software package responsible for sampling instruments, controlling the file system and transmitting the data via MQTT. Using AWS IoT Core this data is then processed and displayed to our clients on our web portal.

**CoastVal project (Techworks Marine):**

A buoy-based platform dedicated to validation of satellite ocean colour products for coastal areas. This involved the writing of an entire software package, as well as testing procedures and QA/QC. In collaboration with our data scientists ETL scripts were needed to process the large amount of data and store it in our databases for data analysis.

**P R O F E S S I O N A L   S K I L L S**

- Strong verbal and written communications skills with experience in relating complex concepts to non-technical users.
- Constantly working to stay up to date with the latest technologies and am actively improving my own skills.
- Articulate communication and presentation skills, with experience interfacing and relating with executive leadership.

**H O B B I E S   A N D   I N T E R E S T S**

- Digital Art
- I have been playing Guitar (self-taught) for over a decade.