

Shayna Nicholas Tuscano

Email: shytuscano09@gmail.com

LinkedIn: [linkedin.com/in/shayna-nicholas-tuscano-bba9a31b5](https://www.linkedin.com/in/shayna-nicholas-tuscano-bba9a31b5)

Website: <https://shaynatuscano09.github.io/My-Website/>

Phone: +353 892482291

Location: Galway, Ireland

Education

MSc in Computer Science - Data Analytics

University of Galway

Sep 2023 - Aug 2024

Grade 1:1 (Expected)

Relevant Coursework: Practical Statistics, Information Retrieval, Data Visualisation, Machine Learning, R, NLP, Deep Learning, Applied Statistics, Web and Network Science.

Bachelor of Engineering in Electronics

Fr. Conceicao Rodrigues College of Engineering

Aug 2018 - Aug 2022

CGPA 9.4

Relevant Coursework: Java, IoT, Database Management, Computer Networks, Neural Networks, Microcontrollers, Embedded Systems, VLSI, Power Electronics.

Personal Projects

Nike Sales Dashboard

- Developed an interactive, data-driven sales dashboard using Tableau to visualize key performance indicators (KPIs) for Nike's product sales.
- Integrated dynamic filters and insightful visualizations to track sales trends, customer behavior, and product performance, enabling stakeholders to make data-driven decisions effectively.

Electronics Formula Calculator

- Built a user-friendly GUI application using Python and Tkinter to perform essential electronics and electrical calculations such as Ohm's Law, capacitance, power, frequency, and time constants.
- Simplified complex computations for students and professionals, enhancing accuracy and productivity in electrical and electronics calculations.

Statistical Analysis of Defect Detection in Manufacturing

- Optimized quality control processes in a manufacturing plant by analyzing defect occurrences and repair costs.
- Applied statistical hypothesis testing, including ANOVA and Kruskal-Wallis tests, to evaluate inspection techniques and identify patterns in defect types.

Wind Speed Prediction using Deep Learning

- Conducted a comparative study of LSTM, 1D CNN, and hybrid deep learning models for wind speed forecasting, improving model performance for efficient grid integration.
- Involved in data cleaning, feature engineering, and model optimization to enhance energy system stability and forecasting accuracy.

Skills

Programming Languages: R, Python, Java

Data Science: TensorFlow, PyTorch, Scikit-learn, NumPy, Pandas

Database Technologies: MySQL

Web Technologies: HTML, CSS, JavaScript

Tools: Git, Excel, Tableau

Work Experience

Thermovision Technologies, (*Engineering Trainee*)

Sep 2022 - Mar 2023

- Conducted thorough data analysis of vendor bids and market trends, which led to reduction in procurement costs through informed decision-making and strategic selection.
- Worked closely with internal engineering and procurement teams to translate technical product specifications into clear, actionable procurement needs, ensuring alignment between project goals and vendor deliverables.
- Built and maintained strong relationships with vendors, negotiating pricing and terms to achieve optimal balance between cost, quality, and timely delivery.
- Managed multiple procurement projects simultaneously, demonstrating flexibility in adapting to shifting priorities and deadlines.

Certification

- Tableau 2024 A-Z: Hands-On Tableau Training for Data Science.

Interests

- Yoga and Meditation for maintaining focus, discipline, and a proactive mindset.
- Reading for personal development.