

# Robert Smith

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## Personal Profile

As a Computer Science graduate nearing completion of my four-year degree with graduation expected in late August, I've consistently prioritized my studies, demonstrating commitment through the completion of coursework and projects. Fueled by a genuine passion for technology, I actively pursue ongoing learning to stay up to date with emerging trends. Proficient in various programming languages, I am committed to expanding my skills to align with industry demands. Now, I eagerly anticipate the opportunity to apply my knowledge in real-world settings, contributing effectively within a professional environment and collaborating with others.

## Skills

**Languages:** Python, Java, C++, CSS, JavaScript, SQL.

**Frameworks / Libraries:** React.js, TensorFlow, Scikit-learn, Pandas, NumPy.

**Software:** Git, Microsoft 365, Figma.

**Methodologies:** Agile, Scrum.

## Education

**BCT Computer Science, University of Galway**

Sep 2020 – May 2024

**Projected Grade:** 2.1 Second Class Hons, First Division.

**Related Coursework:** Software Engineering, Machine Learning, Artificial Intelligence, Data Structures and Algorithms, Computer Security and Forensic Computing.

## Work Experience

**Medtronic**

Galway, Ireland

Smart Digital Factory Student Intern

Jan 2023 – Sep 2023

- Developed and refined AR-based training programs to elevate the proficiency and productivity of manufacturing teams.
- Worked closely with engineering departments to utilize AR-powered digital design tools, streamlining the creation and adaptation of manufacturing layouts. This led to cost savings on materials and improved efficiency in the design phase.
- Shadowed the maintenance and operation of a substantial Thin Client system, providing real-time access to manufacturing data for operators. Ensured the system's reliability and accessibility, thereby optimizing production floor processes.

**Cloncat Service Station**

Meath, Ireland

Sales Assistant

Oct 2018 – Sep 2020

- Operated register to process payments via cheque, cash, and cards while communicating effectively with customers.
- Processed multiple daily stock deliveries, replenished items and organized displays and assisted with shop inventory management with routine stock taking.

## Projects

**Text and Image Analysis Multimodal - Python**

- Developed a multimodal machine learning model for identifying misogynistic content in memes, integrating textual and visual analysis to enhance detection capabilities significantly.
- Trained, fitted, and tested SVM, Logistic Regression, BERT, and VGG16 models using TensorFlow and Scikit-learn, with data manipulation facilitated by Pandas and NumPy, demonstrating comprehensive proficiency in modern data science tools.
- Evaluated model performance rigorously, utilizing metrics such as accuracy, precision, recall, and F1-score to demonstrate the model's effectiveness in detecting nuanced expressions of misogyny; results were visually presented using Matplotlib and Seaborn.

## References

References available on request.