

# Warren Daly

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Motivated Computer Science undergraduate with hands-on experience developing and deploying full-stack and backend applications using Python and Django. Passionate about building things that work in the real world, and always looking to grow through challenging engineering problems.

## Education

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### Bachelor of Science in Computer Science

2024

Technological University Dublin, Dublin

2028

- Relevant Coursework: Data Structures & Algorithms, Databases, Web Development, Object-Oriented Programming
- GPA: 3.08/4.0 (Year 1)

## Work Experience

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### Retail Assistant

July 2022 – Present

Primark, Dublin

- Applied systematic problem-solving to manage inventory accuracy and stockroom organisation in a fast-paced, high-volume environment
- Demonstrated reliability and cross-team communication as part of a structured operations team, consistently meeting deadlines under pressure

## Projects

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### AI Malicious URL Detection Model

Nov 2025 – Dec 2025

Built a supervised machine learning model to classify malicious URLs using a dataset of ~10,000 samples. Engineered custom features from raw URL strings, trained and compared multiple classifiers, and evaluated performance using precision, recall, and accuracy metrics - achieving 78% accuracy.

**Tech:** Python, Scikit-learn, Pandas

### Personal Portfolio Website

2025 – Present

Designed, built, and deployed a full-stack portfolio website with dynamic, database-backed content and an interactive UI. Handled everything from backend logic to deployment. | [www.warrendaly.ie](http://www.warrendaly.ie)

**Tech:** Django, JavaScript, PostgreSQL

### Discord Economy Bot

May 2023 – Present

Developed and deployed a Python-based Discord bot featuring a persistent economy system, demonstrating event-driven architecture, third-party API integration, and long-term maintenance over 2+ years.

**Tech:** Python, Discord.py, MongoDB

## IT Skills

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**Programming Languages:** Python, Java, SQL

**Web Development:** Django, HTML, CSS, JavaScript, REST APIs

**Databases:** MySQL, MongoDB, PostgreSQL

**Tools & Platforms:** Git, GitHub, Docker, VS Code, PyCharm, Linux/Command Line

**Methodologies:** Agile / Scrum

## Hard Skills

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Machine Learning / Supervised Learning • Data Analysis & Feature Engineering • API Development & Integration • Version Control (Git)

## Soft Skills

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Time Management • Self-Motivated / Independent Learner • Adaptability • Communication • Initiative

## Certifications

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Fundamentals of Deep Learning — NVIDIA Corporation