

LUT DUNNE

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EDUCATION

Bachelor of Computer Science, Technological University Dublin

Graduating 2027

Studying: Programming, problem solving, DSA, operating systems and mathematics.

WORK EXPERIENCE

Digital Quality Analyst, Tester Work

Feb 2024 – Present

- Software testing and reporting, ensuring digital products met quality standards.

Store Assistant, Dunnes Stores

Jun 2024 – Oct 2024

- Customer service, transactions, and teamwork in a fast-paced retail environment.

Postal Operative, An Post

Dec 2023 - Jan 2024

- Seasonal logistics support, packaging, and workflow optimisation.

PROJECTS

Naive Bayes Prediction Tool

Java

- Built a desktop application applying a Naive Bayes classifier to predict pregnancy likelihood based on user input.
- Implemented data preprocessing, model training on CSV datasets, and a user-friendly GUI for interaction.

Full Stack Pharmacy Website

HTML, CSS, JavaScript, PHP

- Developed a dynamic pharmacy management website with user authentication, product catalog, and cart functionality.
- Designed a responsive frontend and integrated PHP backend with database connectivity.

BitBeat Microprocessor Game

C, Low-Level, Group Project

- Created a real-time reaction game inspired by Piano Tiles using low-level microprocessor programming.
- Focused on timing accuracy, efficient input handling, and direct hardware interaction.

Text-Based Tomb Exploration Game

Python, Group Project

- Designed an interactive text adventure game with branching storylines, inventory management, and puzzle mechanics.
- Emphasised collaborative coding practices and modular design.

Quality Log Analyser

C, Merge Sort Implementation

- Developed a log file analyser in C that parses large datasets and extracts relevant metrics.
- Sorted records efficiently using a custom merge sort implementation.

SKILLS

- Programming: Proficient in Java, Python, C, JavaScript, and PHP.
- Databases & Data Handling: SQL and CSV dataset processing
- Development: Full stack web apps and desktop applications with responsive UIs and backend integration.
- Tools & Collaboration: Git, Linux, and group project experience with clear documentation and version control.

EXTRA-CURRICULAR ACTIVITIES

- Enjoy exercising and programming.
- Dedicated member of CS++, the computer science society in TU Dublin.