

# ODIRILE GIFT DIRE

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Software Developer

**WWW:** <https://giftdire.github.io/OdirileGiftDire.github.io/>

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**WWW:** <https://github.com/GiftDire>

## PROFESSIONAL SUMMARY

I am a dedicated and resilient Information Technology student currently in my final year of a bachelor's degree, with a proven track record of academic excellence and hands-on experience in both local and international settings. My journey began with a Diploma in Information Technology, which I completed in record time, demonstrating my commitment and ability to excel under pressure. I was selected for the prestigious Global Minor program, where I studied at four leading European universities, collaborating with diverse teams on innovative projects aimed at empowering people with disabilities in the workplace. Our work included developing a Chrome extension for visually impaired users, a foot mouse for individuals without hands, and a voice recognition navigator, all of which deepened my passion for accessible technology. Alongside my studies, I have gained practical experience working with startups such as Steera App and freelancing for three additional startups, further strengthening my skills in C#, JavaScript, Python, and front-end development. I consistently achieve distinctions in my coursework and actively contribute to my personal projects, as showcased on my GitHub. I am known for my strong work ethic, adaptability, and collaborative spirit. My journey has equipped me with excellent communication, teamwork, and problem-solving skills, as well as a drive for continuous learning and self-improvement. I have also completed several industry certifications to stay current with evolving technologies.

## SKILLS

- C#
- Python
- WINDOWS FORMS
- ASP.NET
- CSS
- MySQL
- MSSQL
- UX/UI
- Docker
- Cybersecurity
- Software Testing
- JavaScript
- .NET
- ADO.NET
- HTML
- React
- SQL
- MongoDB
- Git
- Internet of Things
- Artificial Intelligence
- Communication

- Problem-Solving & Analytical Thinking
- Teamwork & Collaboration
- Adaptability & Learning Agility
- Time Management & Organization

## WORK HISTORY

**Software Developer Freelancer** | Inspired Abstraction - Johannesburg, GA (Remote)  
04/2025 - 07/2025

- Web development

**Software Developer Freelancer** | VKN Financial Services Pty Limited - Johannesburg, GA (Remote)  
10/2024 - 11/2024

- Set up API connections for client re-engagement and communication.

**Software Developer Freelancer** | Rekisa e-commerce Solutions - Johannesburg, GA (Remote)  
11/2023 - 09/2024

- Oversaw integration of multiple chatbots into client platforms
- Automated responses and system functions
- Set up API connections for client re-engagement and communication

**Software Developer Intern** | Steera App - Johannesburg, GA (Remote)  
09/2022 - 09/2023

- Reported directly to Directors, supporting both Technical Director and Head of Product
- Contributed to Steera app development, working with Google services, Huawei services, and APIs
- Ensured app's technical, web, and maintenance requirements were met
- Conducted market research and development to support business objectives

## EDUCATION

Belgium Campus ITiversity Expected in 10/2025

**Bachelor of Information Technology:** Software Development  
GPA :72.9

Hogeschool PXL - Hasselt, Belgium 01/2024

**International Global Minor Programme:** Artificial Intelligence

Fontys University of Applied Sciences - Eindhoven, Netherlands 01/2024

**International Global Minor Programme:** Cyber Security

University of Applied Sciences Upper Austria - Linz, Austria 01/2024

**International Global Minor Programme:** IOT(Internet Of Things)

Universitat de Lleida - Lleida 01/2024

**International Global Minor Programme:** UX/UI

Belgium Campus ITiversity - Pretoria 12/2023

**Diploma in Information Technology:** Software Development  
GPA: 72.8

## PROJECTS

### IoT "Call for Help" System — ESP32 + MQTT + Node-RED

Button or voice command triggers responder (buzzer + OLED); dynamic MQTT topics map many buttons ↔ responders.

**Stack:** ESP32/Arduino, Mosquitto, Node-RED, Voice2JSON

**GitHub:** <https://github.com/FlorianRakos/IoT-NotCapricorns/tree/main/Gift>

### **Invoice Management Web App — ASP.NET Core + SQL Server**

CRUD for invoices/customers/payments with validation and Razor Pages.

**Stack:** C#, ASP.NET Core, SQL Server

**GitHub:** <https://github.com/GiftDire/Invoice-Management-Web-Application>

### **Blazor WebAssembly Secure App — Identity + ASP.NET Web API**

Client-side Blazor with protected routes and token-based auth.

**Stack:** Blazor WASM, ASP.NET Web API, Identity

**GitHub:** <https://github.com/GiftDire/Blazor-web-Assembly-Application>

### **Color Filter Accessibility Extension — Chrome**

Grayscale, invert, and high-contrast modes to improve legibility for color-blind users.

**Stack:** HTML, CSS, JavaScript

**GitHub:** <https://github.com/GiftDire/Color-filter-extension>

### **Student Management — Windows Forms**

Desktop CRUD for student records with search/filter and file storage.

**Stack:** C#, WinForms

**GitHub:** [https://github.com/GiftDire/Student-Management-System-using-Windows-Forms\\_LLG](https://github.com/GiftDire/Student-Management-System-using-Windows-Forms_LLG)

### **Instagram Follower Analyzer — Web App**

Identify non-followers/mutuals and manage insights.

**Stack:** JavaScript (web)

**GitHub:** [https://github.com/GiftDire/Instagram\\_follower\\_analyzer](https://github.com/GiftDire/Instagram_follower_analyzer)

### **Dynamic Community Portal — Node.js + Express + EJS**

Server-rendered pages, forms, and modular routes .

**Stack:** Node.js, Express, EJS

**GitHub:** <https://github.com/GiftDire/Dynamic-Community-Portal-Website-using-Node.js-Express-EJS>

### **UbuntuTutor — AI Teaching Assistant (prototype)**

Explains innovation frameworks with examples (Gemini API).

**Stack:** Node/TS (planned), Gemini API

**GitHub:** <https://github.com/GiftDire/UbuntuTutor>

*Coming soon:*

- **Graduate Programme Scraper** — Python + Playwright/Pandas (*repo goes live when ready*)
- **MQTT Starter — Mosquitto + mqtt.js Web Client + ESP32/Wokwi** (*repo goes live when ready*)

## **LANGUAGES**

English

Tswana

## **REFERENCES**

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