

# Damy Matuwidi

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## Education

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University of Surrey, Undergraduate BSc Computer Science (Predicted 1<sup>st</sup>) 2023 – 2027

Key Modules: Software Engineering, Web & Database Development, Data Structures & Algorithms

Harris City Academy Crystal Palace 2021 – 2023

A-Levels: Computer Science (A), Mathematics (A), Business (B)

Harris Invictus Academy Croydon 2016 – 2021

GCSE: 7 Subjects (Grades 9) including Mathematics and English

## Technical Skills & Certifications

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Programming Languages: Python, Java, C++, JavaScript, TypeScript

Frameworks & Libraries: React, Next.js, Tailwindcss, Svelte, Django, MUI

Databases: PostgreSQL, SQLite

Responsive Web Design Certification – freeCodeCamp 2024

SETsquared Partnership IKEEP Programme Intrapreneurial Training Award – SETsquared 2025

## Projects

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AI Flashcards SaaS App (Next.js, Gemini, Clerk, Stripe, MUI) 2024

- Used Clerk's API to allow user authentication and Stripe API to process payments.
- Created an API backend to generate flashcards based on user prompt using Gemini.

AI Customer Support Bot (Next.js, Gemini, MUI) 2024

- Worked on the backend of the chatbot, working with Google Gemini AI and Next.js.
- Created an API and linked it to the corresponding frontend elements.

University Marking & Moderation Web App (Svelte, Python (Django), SQL, Git) 2024

- Programmed a web app to allow academics to mark and moderate student work.
- Learnt how to use a Svelte frontend and Django backend.

Microsoft Embrace EDI Challenge – Team Leader 2023 – 2024

- Led a group to develop an innovative solution to leverage technology in poorer regions.
- Researched how the solution will impact the regions and calculated appropriate costs.
- Presented the solution in a short 3-minute edited video.

## Experience

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Co-op – Customer Team Member 2025

Headstarter AI – Software Engineering Fellow 2024

- Developed and deployed 5 full-stack AI projects in 5 weeks, followed agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment.
- Worked collaboratively to develop an interactive customer support agent with an integrated custom RAG pipeline using Gemini and Pinecone.

Young Enterprise – Managing Director 2022

- Led a 9-month business venture from start to regional finals, coordinating team activities, managing project timelines and delivering presentations which showcased our product to stakeholders.

## Skills and Additional Information

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Skills: Teamwork, Communication, Leadership & Problem-solving

**Languages:** English, French (Beginner), Lingala (Beginner)

**Achievements:** Senior Prefect (2022-2023), Oxford UNIQ (2022), H<sub>2</sub>O Heroes & YGASstem programmes (2021)

**Interests:** Level design, Graphic design, Writing and playing music