

Damy Matuwidi

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Education

University of Surrey, Undergraduate MEng Computer Science (Predicted 1st) 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

Projects

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

Co-op – Customer Team Member 2023 - Present

- Attentively responded to customer inquiries and resolved complaints efficiently.
- Communicated with team members to manage and replenish shop inventory.
- Ensured excellent store presentation while maintaining a high level of security awareness.

Headstarter AI – Software Engineering Fellow 2024

- Proficiently built and deployed 5 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

- Created a business and pitched it in a competition over the span of 9 months.
- Consistently managed peers, delegated tasks and took responsibility for business operations.
- Showcased the product in many competitive stages, making it to the regional finals.

Skills and Additional Information

- Skills: Teamwork, Communication, Leadership & Problem-solving
- Languages: English, French (Beginner), Lingala (Beginner)
- Achievements: Prefect (2022-2023), Oxford UNIQ (2022), H₂O Heroes (2021), YGASem (2021)
- Interests: Playing the flute, Level design