Mosetoluwa Enoch Rotimi

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EDUCATION

St Brendan's Sixth Form College **Bristol, UK**
Post-16 *2024 – 2026*

- Achieved A-Levels: Design Engineering (B), Mathematics (B), Computer Science (C), EPQ (A)
- Activities: Student Ambassador

Digitech Studio School Bristol **Bristol, UK**
Secondary Education *2022 – 2024*

- Achieved GCSEs: Mathematics (7), Combined Science (9-8), English Language (6), English Literature (6), and 5 GCSEs with grades 7-6

WORK EXPERIENCE

Avon Valley Adventure Park, Bristol **Bristol, UK**
Food and Beverage Team Member & Supervisor *Sep 2024 – Present*

- Supervised a team of 3 to achieve over 16,000 doughnut sales within a 2-week seasonal period by optimising workflow and developing strong customer service

University of Bristol **Bristol, UK**
Engineering Work Experience (In person) *Jul 2023*

- Designed a rubbish-picking and maze-solving robot using an Arduino Uno and C++ to execute basic pathfinding and distance-based navigation algorithms
- Used Python libraries like Matplotlib, Pandas and NumPy in simulations to model dynamic systems like bird migration, bat echolocation and weather forecasting

PERSONAL AND ACADEMIC PROJECTS

Computer Science NEA: Road Accident Data Analysis and Risk Predictor **Python, Matplotlib, Tkinter, Pandas, NumPy**
Aug 2026
A-Levels (71/75 A)*

- Created a data analysis application to predict relative accident risk based on a weighted model created using historical collision data from the Department for Transport with 100927 rows and 44 columns processed: Helping drivers understand road accident risk factors to make more informed driving decisions and reduce accidents

EPQ Artefact: Prototype web-based service to combat cultural estrangement **Figma**
(41/50 A) *Aug 2025*

- Designed an interactive, high-fidelity mobile application prototype in Figma with 14 screens and over 10 user flows prototyped of a digital service concept that would connect clients from immigrant and minority communities with local tailors, artisans and caterers who specialise in cultural services

Design Engineering NEA: Modular garden with automatic watering garden **ESP32, C++, TechSoft2D, and SolidWork**
Feb 2026
(82/100 A)

- Created a modular, easy-to-set-up garden bed to increase food sources for bees and other pollinators, helping slow their decline in urban areas
- Engineered an automatic irrigation system that processes real-time sensor readings from temperature, humidity and soil moisture connected to an ESP32, using C++ to implement a feedback loop system for automatic irrigation

Clarity: A web-service for converting text and Anki-Decks to be dyslexia-friendly **Cursor, Python, Next.js (TypeScript, App Router),FastAPI, Google Gemini API**
Jul 2026

- Developed in a team of 2 over 6 hours at Leaf Hacks 2026: A sixth-form hackathon with a theme of EdTech
- Integrated Google Gemini API to rephrase .pdf, .doc, .txt, and .apkg files into a dyslexia-friendly format

Personal Website **JavaScript, HTML, CSS**
Aug 2026 - Present

- Built a personal website to showcase my project portfolio
- Integrated the Apple Music API using JavaScript to sync up my currently playing music to the website
- Animated interfaces using JavaScript to increase user retention

Website Design Business **HTML, CSS, JavaScript, Wix, Figma, SquareSpace and WordPress**
Aug 2025 - Present

- Designed and maintained websites for 2 clients using platforms such as Wix and SquareSpace.
- Increased website traffic and lead generation by an average of 70% by improving local Search Engine Optimisation (SEO)

EXTRACURRICULAR ACTIVITIES

Overcomer's House Media Team **Bristol, UK**
Church Volunteer *Oct 2024 – Present*

- Operated OBS Studio, Audacity and Easy Worship to manage live broadcasts, troubleshoot technical issues and ensure consistent audio and visuals

HPE Software Engineering **Virtual**
Job Simulation *Sep 2026*

- Wrote a proposal for a RESTful web service to manage a list of employees
- Built a REST API web server using Java Spring Boot that can accept and respond to HTTP requests and support uploading JSON data
- Developed and ran a set of unit tests using Mockito and JUnit frameworks to assess my API performance

British Airways Engineering **Virtual**
Job Simulation *Sep 2026*

- Analysed fault logs and technical schematics from an A320 to escalate a critical defect and develop a corresponding work request using AMM guidelines
- Forecasted material demand across a maintenance cycle, identified at-risk components, and proposed mitigation strategies using sustainability and lead time

SKILLS & INTERESTS

Languages:	English (Native), Yoruba (Fluent)
Technical Skills:	Python, SQL, HTML/CSS, JavaScript, Figma, Git/Github, C++
Certifications:	HPE SWE Job Simulation, British Airways Job Simulation, Maths into Data Science and AI by the M.E.I
Interests:	Bouldering (V4), Machine learning, African History (Precolonial West Africa), Interior design