

## BRIAN KOGE

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### Summary

As a dedicated Diploma in Computer Science student, I have honed my skills by developing and maintaining a variety of dynamic websites and database projects, all within concise timeframes. These hands-on experiences have significantly boosted my proficiency in key programming languages, including HTML, CSS, JavaScript, and SQL. My journey through **these projects has not only sharpened my technical abilities but also fuelled my passion for innovative problem-solving and efficient coding.**

### Skill & Experience Gained

- **Analytical Skills:** Proficient in data analysis and financial modeling.
- **Technical Skills:** Skilled in IT fundamentals, programming, data structures, operating systems, web applications, and databases.
- **Communication:** Effective in writing and oral communication.
- **Entrepreneurial Skills:** Knowledgeable in entrepreneurship and innovation.
- **Information Technology Systems:** Experienced in IT strategy, management, infrastructure, website development, data modelling, cyber security, and business process modelling tools.

### Education

- **Diploma in Computer Science** - Riara University, Nairobi Kenya (May 2023 - Dec 2024)
- **Certificate in IT** - Riara University, Nairobi Kenya (**Oct 2022 - March 2023**)
- **BTEC International Level 3 Diploma in Information Technology** - Mpesa Foundation Academy, Thika Kenya (**Jan 2020 - May 2022**)
- **IB Career-Related Programme (IBCP)** - Mpesa Foundation Academy, Thika Kenya (**Jan 2020 - May 2022**)
- **Kenya Certificate Of Primary Education (KCPE)** - Annalucia Murera Sisal Academy (**Jan 2016 - Oct 2018**)

### Key Courses

- Fundamentals of Computing
- Data Structure and Algorithm

- Introduction to Programming
- Communication and Writing Skills
- Object-Oriented Programming (Java, C++).
- Web Development
- Introduction to Digital Electronics
- Introduction to Databases (SQL)
- Introduction to Operating Systems

### Short Courses

- Introduction to Databases: Oracle Kenya
- Introduction to C++: Cisco Kenya

### Skill

Database management, object-oriented design and programming

### Projects

- **Public Engagement Platform:** A web-based system for interaction between organizations and the public, leveraging HTML, CSS, JavaScript, and PHP.
- **Database Management System:** A system using Microsoft Access for efficient data storage, management, and retrieval.
- **Digital Task Management System:** A JavaScript-based tool to create, manage, and visualize tasks for improved productivity.

### Professional Development

- **Continuous Learning:** I engage in ongoing self-directed research and stay updated with industry trends, tools, and technologies through diverse online resources and active participation in online communities.
- **Workshops:** I regularly attend workshops covering cybersecurity, cloud computing, data analysis, and software development to gain practical skills and expand my professional networks.

### References

- BTEC Teacher – Benjamin Mutai (benjamin.mutai@mpesafoundationacademy.ac.ke)
- IT Lecturer - David Kirop (dkirop@riarauniversity.ac.ke)
- Project Supervisor - Paul Mwaniki (pmwaniki@riarauniversity.ac.ke)