

Breye Foka Lagloire

Full-Stack Web Developer | Data Analyst | Graphic Designer | AI and Robotics Enthusiast

Kigali, Kigali City, Rwanda

+250793222632 | breyefokalagloire@gmail.com

[LinkedIn](#) | [GitHub](#)

Summary

I am a Computer Science student at the University of Kigali with a strong passion for technology and creativity. I bring a diverse skill set that includes programming, software development, data science, AI, cybersecurity, electronics, IoT, and graphic design. I enjoy solving problems, building innovative solutions, and working on projects that combine technical precision with creative thinking. Known for being resilient, curious, and consistent, I thrive in collaborative environments and take pride in delivering quality results.

Education

University of Kigali

Bachelor's Degree, Computer Science

January 2024 - Present

Skills

Full-Stack Web Development:

- HTML, CSS, JavaScript
- Node.js, Express.js, React, Next.js, Axios
- MongoDB, PostgreSQL, MySQL
- Python (Django, Vue)

Data Science:

- Python (pandas, numpy, matplotlib, seaborn, scikit, tensorflow, keras)
- Jupyter Notebooks, Google Colab, Tableau, Power BI
- Python (TensorFlow, Keras, PyTorch, NLTK)
- Jupyter Notebooks, Google Colab

Cybersecurity:

- Python, Bash
- Wireshark, Nmap
- Linux OS/ Windows OS

Robotics and Electronics:

- Arduino, Raspberry Pi, ESP32
- C/C++, Python
- Electronics

Computer Repair & Maintenance:

- Computer hardware & Software troubleshooting

Languages:

- French (Native or Bilingual)
- English (Bilingual)

Certifications

- Career Essentials in Cybersecurity by Microsoft and LinkedIn
 - Programming with JavaScript
 - Career Essentials in Data Analysis by Microsoft and LinkedIn
 - AI Projects with Python, TensorFlow, and NLTK
 - IoT and Embedded systems
 - Programming in Python
 - Web development
-

Experience

Freelance Web Developer

January 2021 - Present

- Developed full-stack applications using HTML, CSS, JavaScript, Node.js, Express.js, React, Next.js, and Axios.
- Implemented responsive and dynamic user interfaces for various client projects.
- Integrated RESTful APIs and handled client-server communication.
- Worked with databases such as MongoDB, PostgreSQL, and MySQL for backend data management.

Projects

1. Full-Stack Web Development Projects:

- **Task Management System:** Developed a web application for managing Taks using React, Node.js, and PostgreSQL.

- **Product Management System:** Built a full-stack Application for managing products with a responsive design using React.js and Express.js.
- **High School national exam results Portal:** I developed a system that allows high schoolers to see their national exam results easily

2. Data Analysis Projects:

- **Sentiment Analysis:** Analyzed Public Opinion about health Centers in Rwanda
- **Sentiments Analysis:** Conducted an analysis on the public opinion on Chinese LLM model Deepseek R1

3. Cybersecurity Projects:

- **Network Vulnerability Assessment:** Conducted a network vulnerability assessment using Nmap and Wireshark, documenting findings, and remediation steps.
- **Web Application Penetration Testing:** Performed penetration testing on a web application using Burp Suite and Metasploit, identifying and fixing security flaws..

5. AI Development Projects:

- **Natural Language Processing:** Developed a sentiment analysis tool using Python, NLTK, and TensorFlow.
- **Recommendation System:** using user-based collaborative filtering. Utilizing the MovieLens dataset to build a user-item matrix and then find similar movies using the NearestNeighbors algorithm.

6. Robotics and Electronics Projects:

- **Autonomous Car Prototype:** Developed an autonomous car using Arduino and various sensors for obstacle detection and avoidance.
- **Human Following Bot:** Built a prototype car that followed humans around using arduino and sensors.
- **Smart Helmet Project:** Developed a smart helmet with crash detection, emergency alert system, and speed warning to enhance rider safety and ensure prompt assistance during accidents. Using Arduino and collecting data via sensors.

Additional Information

- **Interests:** Passionate about electronics, computer programming, and design tasks.
- **Values:** Resilience, passion, curiosity, consistency, and determination.

References:

Available Upon Request.