Emmanuel Gessessew

Email: emmanuelgessessew@gmail.com

Phone: +44 7474 537801

LinkedIn: www.linkedin.com/in/emmanuel-gessessew-447a102b5

GitHub: https://github.com/Emmanuelgessessew

Location: London, UK

A dedicated Computer Science student, set to graduate from LSBU in October 2025, with a focus on programming, data analysis, and cybersecurity. Passionate about building efficient systems, solving real-world problems, and eager to contribute to dynamic teams. Currently exploring opportunities in software engineering, data, and cybersecurity to grow and apply my skills in meaningful ways.

Education

Bachelor of Science in Computer Science
London South Bank University (LSBU), London, UK
Expected Graduation: October 2025

Relevant Coursework:

- Battleship Game in Java: Developed a simulation of the classic Battleship game, enhancing object-oriented programming skills.

- Accident Analysis in Barnet Borough: Applied data analysis techniques to identify factors affecting road safety and accident rates.

- Wireshark and Network Traffic Analysis: Gained hands-on experience in network traffic analysis, packet capturing, and troubleshooting using Wireshark, alongside basic network security concepts.

- Additional coursework in programming languages, data structures, and cybersecurity concepts.

Technical Skills

- Programming Languages: HTML, CSS, JavaScript, Python, Java

- Tools & Frameworks: React, Flask, Git, MongoDB, SQL, Pandas, Vue.js, Nomad

- Data Analysis & Machine Learning: Intermediate skills in data analysis using Python libraries (Pandas, NumPy), basic knowledge of machine learning models (e.g., regression, classification)

- Cybersecurity: Basic understanding of network security, encryption, and vulnerability assessment tools

- Version Control: Git, GitHub

Projects

Physio Activity-Online-Platform

- Developed a full-stack application for physiotherapy appointment management using Flask, SQL, and SQL Alchemy.

- Implemented role-based access control and user authentication, providing secure access for employees, therapists, and HR.

My Book Library

- Created a library management system where users can track the books they've read and manage the list by adding, editing, and removing entries.

- Focused on DOM manipulation with JavaScript, including state management for a seamless user experience.

Quote Generator App

- Built an app to display random motivational quotes, allowing users to customize themes and refresh content dynamically.

- Used HTML, CSS, and JavaScript to create a simple yet interactive user interface.

TV Show Project

- Designed a platform that pulls TV show data from the TV maze API, allowing users to search and view show information.

- Focused on implementing dynamic content loading and user interaction through JavaScript, including search filters and detailed episode views.

Certifications & Courses

- Intro to Programming — Code Your Future (CYF)

- Data Science & AI Fundamentals — Coursera

- Web Development with JavaScript —100Devs

Strengths

- Teamwork: Thrives in collaborative environments and contributes positively to group efforts.

- Problem Solving: Adept at identifying issues and developing efficient solutions in both individual and team settings.

- Communication: Strong verbal and written communication skills, able to articulate complex ideas clearly and effectively.

- Motivation: Driven by challenges and committed to continuous learning and improvement.

- Programming: Intermediate proficiency in multiple programming languages, with a strong foundation in web development and data analysis.

Extracurriculars & Volunteering

- Volunteer Mentor at Code Your Future
  Actively assist fellow students in their coding journey by providing guidance and mentorship on various programming topics.

- University Programming Club
  Member of the LSBU Programming Club, where I regularly contribute to coding challenges and collaborate on group projects with fellow students.