

# WIREDU DERRICK SARFO

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**Email:** [derricksarfowiredu@gmail.com](mailto:derricksarfowiredu@gmail.com) | **Nationality:** Ghanaian

**LinkedIn:** Derrick Sarfo Wiredu | **GitHub:** [github.com/wireduuu](https://github.com/wireduuu)

**Portfolio:** [dsw-portfolio.vercel.app](https://dsw-portfolio.vercel.app)

## PROFILE

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Computer Science and Engineering student specializing in frontend web development, experienced in turning design concepts into functional, user-friendly products. Contributed to multiple projects, including the Smart Clinic Appointment and Patient Management System, which improved appointment efficiency and reduced administrative workload. Currently developing a mobile-first, geolocation-enabled attendance platform to enhance check-in accuracy. Skilled in crafting clean, engaging, and accessible interfaces, and experienced in both solo and collaborative projects with a mindset of continuous learning, unlearning, and relearning.

## TECHNICAL SKILLS

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- **Languages:** Proficient in HTML5, CSS3, PHP; additional experience with JavaScript (ES6+), Python, Java
- **Frameworks & Libraries:** Flask, Tailwind CSS, Bootstrap
- **Databases:** MySQL, MongoDB, SQL Server
- **Tools & Platforms:** Git (version control), GitHub, Postman, VS Code, Microsoft Office Suite
- **Design Tools:** Figma, Adobe Photoshop
- **Other Skills:** Responsive Web Design, API Integration, UI/UX Principles

## PROJECTS

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### Portfolio Website

- Developed a modern, tech-inspired personal portfolio website to showcase projects, skills, and experience. Built with Vite, Tailwind CSS, and AOS animations, featuring interactive project filtering, modals, and a contact form. Deployed on Vercel with automated GitHub integration.

**Key Impact:** Enhanced professional presence and accessibility of work, improving visibility to potential employers and collaborators.

**Live Site:** [dsw-portfolio.vercel.app](https://dsw-portfolio.vercel.app)

### **ClinicPro – A Smart Clinic Appointment & Patient Management System — *A Collaborative Project, Software Engineering Course***

**Key responsibility:**

- Collaborated on developing a prototype system to digitize clinic operations. Contributed to role-based login for patients, doctors, and admins, appointment booking, real-time doctor availability, patient record management, and automated notifications.
- Focused on improving scheduling efficiency and minimizing manual errors through intuitive UI workflows.

**Key Impact:** Enhanced clinic scheduling accuracy, reduced appointment conflicts, and streamlined patient record access.

### **Seaside Hotel Management System — *A Collaborative Project, Web Programming Course***

- Collaborated on the development of a hotel website and management system as part of an end-of-semester project. Designed and implemented the admin frontend dashboard, focusing on a responsive, user-friendly interface for managing bookings, customer records, and room availability.

**Key Impact:** Streamlined hotel operations, reduced booking errors, and improved efficiency in customer data handling.

### **Golden Tulip Hotel Management System — *A Solo Personal Project***

- Designed and developed a hotel management system with a responsive, user-friendly interface for booking management, customer records, and billing. Built with HTML, CSS, JavaScript, and a PHP backend connected to SQL database. Implemented role-based access, room availability tracking, and automated invoice generation.

**Key Impact:** Improved booking efficiency, reduced administrative workload, and enhanced customer data management.

## GeoPresence – A Smart Web-Based Attendance System (In Progress)

### Key responsibility:

- Developing a location-based attendance tracking platform that prevents false check-ins through geofencing.
- Features include secure student authentication, real-time attendance logging, admin dashboards for session management, bulk data export, and CSV import support.
- Designed to integrate filtering, token-based access control, and analytics for improved decision-making.

**Expected Impact:** Enhance attendance accuracy, eliminate ghost name entries, and equip admins with actionable insights.

## Additional Frontend Projects

- Developed multiple small-scale web projects, including modern login pages, responsive landing pages, and interactive UI components.
- Focused on clean design, cross-device responsiveness, and accessible user interfaces.
- All projects available on GitHub: [github.com/wireduuu](https://github.com/wireduuu)

## EDUCATION

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- January 2024 – Present      **Bachelor of Science (BSc.) Computer Science and Engineering**

University of Mines and Technology, Tarkwa

- October 2019 – September 2022    **West African Secondary School Certificate Examination**

Odorgonno Senior High School, Awoshie

## **PERSONAL QUALITIES**

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- Creative problem solver with a focus on intuitive, user-centered design.
- Adaptable and eager to learn, unlearn, and relearn to stay current with emerging technologies.
- Detail-oriented in both code quality and visual presentation.
- Strong team player with effective communication and collaboration skills.
- Self-motivated and capable of managing projects independently from concept to deployment.

## **CERTIFICATIONS**

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- July 2025                      **TheDsgnJunkies**  
Designing The Unseen – Invisible Systems, Visible Impact  
(Certified)

## **REFEREES**

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- Engr. George Essah Yaw Okai  
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