

PATRICIA AKWELEY NARH

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PROFILE

Detail-oriented and highly motivated individual with a passion for microbiology and a track record of delivering quality and accurate work. My background in biochemistry has honed my organizational skills and meticulous attention to detail, making me adept at handling microbiological research and analysis. I possess excellent communication and interpersonal skills, enabling me to collaborate effectively and contribute to a positive work environment.

EDUCATION

Kwame Nkrumah University of Science and Technology(KNUST)	Kumasi, Ghana.
Bachelor of Science in Biochemistry	Sept. 2019 – Sept. 2023

HONOURS AND AWARDS

- **Most Influential Female Executive** Sept. 2022
Kwame Nkrumah University of Science and Technology, Biochemistry Department

RELEVANT WORK EXPERIENCE

Research Assistant – West African Centre for Cell Biology of Infectious Pathogens

Accra, Ghana. Nov. 2023 – Sept.2024

- Assessed the effectiveness of multiple antibiotics against microbial strains, aiming to discover potential drug candidates to combat antibiotic resistance.
- Provided crucial support in a research project investigating E. coli DNA double-strand break induction and repair, actively contributing to experimental design, data collection, analysis, and presentation.
- Conducted a comprehensive assessment of critical factors influencing bio-process control, providing valuable insights for optimizing production efficiency and product quality.
- Leveraged strong communication and organizational skills to serve as a representative for lab personnel and manage research seminar logistics.

Research Assistant Intern - Noguchi Memorial Institute for Medical Research

Accra, Ghana. Nov. 2022 – Dec. 2022

- Accurately conducted ELISA assays on test samples, providing crucial quantitative data for protein detection.
- Spearheaded an inventory initiative in the immunology department, leveraging organizational skills and collaborative spirit to engage fellow interns and achieve accurate sample documentation.
- Extracted PBMCs through meticulous centrifugation and density gradient separation, ensuring high purity and yield for subsequent immunological studies.

Intern – AmaliTech Ghana.

Sept. 2021 – Dec. 2021

- Leveraged Excel PivotTables to extract key insights from complex datasets, informing business decisions.
- Led engaging presentations on improving work ethic and collaborative skills, drawing on research and best practices to provide insightful and actionable guidance to colleagues.

- Successfully maintained critical administrative processes during the secretary's absence, preventing disruptions and ensuring efficient workflow for the team.
- Proactively acquired R-programming skills to enhance my analytical toolkit, empowering me to conduct deeper and more comprehensive analyses in my field of study.

COMMUNITY AND LEADERSHIP EXPERIENCE

Co-founder of Shearla Cosmetics- Accra, Ghana

Nov.2023 -Present

- Led product development, formulating and refining cosmetic products to meet market demands.
- Spearheaded customer acquisition strategies, resulting in a 50% increase in the customer base.
- Prioritized customer experience, implementing initiatives to enhance service and satisfaction.
- Implemented sales strategies that improved profit margins by 40%.

Women's Commissioner – Ghana Biochemistry Students Association

KNUST, Kumasi.

Jun.2021 – Sept. 2022

- Empowered young women by organizing a free Python coding class, equipping them with valuable skills to excel in biochemistry and stand out in their careers.
- Developed and produced engaging video content raising awareness about cervical cancer symptoms, risk factors, and prevention strategies.
- Facilitated an open forum on breast cancer awareness and launched an inter-generational mentoring program, "Behind the Scenes of a woman", to inspire and educate young women.

Volunteer- Life Educational Foundation, Kumasi.

Jan. 2020 – Sept.2023

- Co-founded a hands-on science club "Lab_13 Ghana" and launched a literacy initiative "Read a Book a Week" to stimulate young students' passion for learning and develop their literacy and critical thinking skills.
- Collaborated with colleagues to conduct a workshop to educate petty traders on benefits of SSNIT enrolment for their financial security.

Volunteer – National Health Insurance Scheme, KIBI.

Jul. 2017 – Aug. 2017

- Maintained meticulous records and double-checked prescriptions to confirm proper medication selection and dosage for each patient.
- Successfully identified eligible drugs and analyzed patient data to contribute to the successful implementation and expansion of the national health insurance scheme.

PROJECTS

Inventory Management API

- Built a RESTful API for inventory management, enabling CRUD operations for products, categories, and suppliers.
- Integrated secure authentication and efficient database management.
- *Technologies:* Node.js, Express.js, MongoDB, Mongoose, Nodemon., Javascript, Github.

Library API

- Developed an API to manage book records, borrowers, and lending history for libraries.
- Focused on scalability and performance optimization.
- *Technologies:* Express.js, MongoDB, Node.js, Mongoose, Render and Javascript.

Landing Page

- Designed and deployed a fully responsive landing page to showcase services and products for a client.
- Collaborated with designers to ensure an intuitive and visually appealing user experience.
- *Technologies:* HTML5, CSS3, Tailwind CSS, Tailwind Flex, JavaScript.

Portfolio Website

- Created a personal portfolio to highlight projects, skills, and achievements, emphasizing clean design and smooth navigation.
- Ensured cross-browser compatibility and mobile responsiveness.
- *Technologies:* HTML5, CSS3, Javascript, Tailwind CSS and Vercel.

Shearla Website

- Contributed backend development for a feature-rich website tailored to client needs.
- Worked in an agile team to optimize performance and implement new features.
- *Technologies:* HTML5, CSS3, Tailwind CSS, and Vercel.

Hotel page

- Designed an interactive platform for hotel room bookings.
- Showcased engaging visuals of the hotel's facilities to enhance user experience.
- *Technologies:* HTML5, CSS3, Tailwind CSS.

Advertising API

- Collaborated with a team to develop a RESTful API for advertising management, enabling efficient ad creation, updating, and retrieval.
- Implemented robust data handling and seamless integration for optimized performance.
- **Technologies:** Express.js, Node.js, MongoDB, Mongoose, JavaScript, GitHub, Render.

E-commerce API

- Independently built a RESTful API for an e-commerce platform, supporting product management, user authentication, and order processing.
- Ensured secure transactions and smooth database operations for a seamless shopping experience.
- **Technologies:** Express.js, Node.js, MongoDB, Mongoose, JavaScript, GitHub, Render.

Referees

Available upon request.