Lilian Ama Owusu-Ansah

CONTACT

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PROFESSIONAL SUMMARY

Dedicated and highly skilled computer science graduate with extensive experience in Web development and several programming languages including Java, C, and SQL. Proficient in designing and developing software applications, web applications, and mobile applications using Java, with a strong understanding of AI principles. Detail-oriented and analytical thinker, able to identify and resolve complex technical issues and challenges, leveraging AI algorithms for innovative solutions. Organized and dependable candidate successful at managing multiple tasks and projects simultaneously.

EDUCATION

Bachelor of Science (Hons) in Computer Science

Lancaster University | 2021-2024

- First Class Honours
- Lancaster GOLD Awardee
- Highest GPA Awardee

Foundation Programme: IT Stream

Lancaster University | 2020-2021

- GPA: 85%
- Certificate of Academic Excellence

WORK EXPERIENCE

DevOps Intern | 07/2024 – 09/2024

BlueSPACE Africa Technologies, Ghana

- Aided in the development of an AI-enhanced warehouse management system, leveraging Python and Django to create a scalable, user-friendly web application.

- Actively collaborating with cross-functional teams to integrate AI models, with a focus on automating inventory management

- Engaging in iterative development processes, collecting and analysing feedback to align the application with evolving business needs and technological advancements.

Website Developer | 08/2022 – 11/2022
Mavenwit, India

- Designed, implemented, and monitored web pages, plugins and functionality for various websites run by Mavenwit.

- Provided front-end website development using WordPress, Shopify, and other editing software.

- Developed and programmed three professional-grade websites using HTML and CSS languages.

Website Designer | 06/2022 – 08/2022
Academy Achievers, United Kingdom

- Enhanced functionality and appearance of website by designing a new layout using Figma to meet client specifications.

- Developed and executed a comprehensive web development project, which involved design and creation of a fully functional website.

- Developed and oversaw the website's content strategy, ensuring that all materials were engaging, informative, and consistent with the organization's objectives.

SKILLS

Technical Skills

- C (Advanced)
- Python (Advanced)
- Java (Advanced)
- HTML (Advanced)
- SQL (Advanced)
- PHP (Intermediate)

Soft Skills

- Adaptability
- Detail-Oriented
- Organization Skills
- Collaboration Skills
- Communication Skills
- Time Management Skills

PROJECTS

EmotionAlly – AI-powered chatbot for Social Anxiety

Developed a conversational AI chatbot android application called EmotionAlly using natural language processing techniques to provide empathetic and non-judgmental support for individuals battling social anxiety. Furthermore, it integrates cognitive-behavioural principles to deliver evidence-based interventions and coping strategies in real-time.

iHire – Service Hiring Application

Designed and developed a service-hiring mobile application. This platform connects skilled individuals, known as "workers", who can help with various tasks and errands. It provides a convenient way for people to outsource tasks and find reliable help for their everyday needs.

PUBLICATIONS

"AI and VR-Powered Interventions for Social Anxiety – A Review"

IGI Global Scientific Publishing journal, International Journal of Virtual and Augmented Reality (IJVAR), 2025

Investigated the effectiveness of AI-driven interventions, including therapy chatbots and Virtual Reality Exposure Therapy (VRET), in managing social anxiety. Analyzed AI-based Cognitive-Behavioral Therapy (CBT) as a scalable alternative to traditional therapy, highlighting its potential to enhance accessibility and symptom reduction.

LEADERSHIP ROLES

Student Representative Council Secretary (2022 – 2023)

Class Representative (2021 – 2024)

Marketing Officer of Computer Science Society (2022 – 2023)

Student Affairs Volunteer (2023 – 2024)

LUG Football Team Captain (2023 – 2024)

REFERENCES

References available on request.