

NANA BANYIN AYEYI DJAN

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EDUCATION

Ashesi University

BSc. Computer Science

Ashesi Financial Aid Recipient

Cumulative GPA: 3.39/4.00

Berekuso, Eastern Region

August 2019 – June 2023

Relevant Coursework: Database Systems, Human Computer Interaction, Web Technologies, Mobile Web Programming, Software Engineering, E-Commerce, Advanced Database Systems.

PROJECTS AND RESEARCH

Issamira Farms and Logistics | Online Retail Store

June 2023 – October 2023

- Developed a scalable online marketplace for Issamira Farms and Logistics, leveraging an array of reliable technologies and secure payments to boost the online presence of the company by about 30% and increase the market reach by about 40%.
- Created an efficient, robust, and scalable backend system which focuses on optimized data handling, security, and server efficiency to achieve a successful link between the front-end and the database.
- Designing and developing a scalable and efficient database to store customer and employee information production information and perform online transactions securely.
- Crafted a visually appealing and user-friendly interface available on both web and mobile devices to ensure seamless user experiences and increase responsiveness.

Ashesi Academic Advisory Toolset | Undergraduate Applied Capstone

September 2022 – May 2023

- Collaborated and brought to fruition an advisory system comprising of four different sub-systems including an academic advisor system, an elective course planner, a summer school petition system, and a news system with the aim reducing the graduation failure rate of students by about 10%.
- Conceived an advisor-student pairing and scheduling system, harnessing a blend scalable and recent technologies reduce the stress on the academic services department by about 70%.
- Pioneered the development of a sophisticated news portal system to reduce the clutter of student's emails by about 20% and increase the participation and attention of students towards school events by about 17%.

WORK EXPERIENCE

Faculty Intern | Ashesi University

August 2023 – Present

- Collaborated with lecturers to develop and implement interactive and interesting course materials, assessments, and lesson plans, bringing a seamless learning experience for students.
- Held engaging lab sessions, facilitated discussions and organized one-to-one guidance sessions, yielding increased performance.
- Assisted in grading assignments and quizzes, providing constructive comments and feedback to let the students know their strengths and which areas to improve.
- Held regular office hours to rectify student problems, clarify course concepts and answer student questions and provide additional support to improve student retention.
- Participated in faculty meetings, seminars, and workshops to be on track with the pedagogical techniques to help make a high-quality education experience for students.

Software Engineering Intern | IT Consortium, Adjiringanor, Ghana

June 2022 – July 2022

- Collaborated in the creation of an intuitive task scheduling and management system hosted on a web interface, comprising of current web technologies and design principles to produce a user-focused and efficient digital platform.
- Facilitated informative tutorial sessions for fellow interns, transferring fundamental knowledge and skills needed for crafting exception web applications.

Digital Communications and Partnerships Intern | TechEra – Osu, Accra June 2021 – August 2021

- Increased social presence and market reach of company by about 5% using informative graphics and vectors.
- Participated in the collection of data from persons with disabilities (PWD's) to increase the accessibility of the company website by about 20%.

LEADERSHIP EXPERIENCE

Course Representative | Ashesi University

June 2022 – July 2022

- Recorded assessments on specific courses in order to provide information to support research concerning academic overload.

Head of Statistics Department | Ashesi Basketball Association

June 2021 – August 2021

- Facilitated the collection, interpretation, and analysis of basketball statistics to allow tracking and evaluation of team and individual player performance.
- Supervised a team of statisticians and data analysts to collect data like field goal percentage, rebounds, points, etc. to ensure accuracy, timeliness, and consistency in the data collection.
- Generating report on players and team performance to highlight key statistical findings and trends.
- Developed a sophisticated template using excel to automatically calculate player game averages and statistics and reduce the time taking of recording statistics initially by about 70%

E-Commerce Course Tutor | Ashesi University

June 2021 – August 2021

- Conducted one-on-one and small group sessions to clarify students doubts in the creation of an e-commerce website.
- Assisted my peers in understanding the challenging aspects of programming an E-Commerce website.
- Shared useful resources to ease the understanding of challenging concepts.

VOLUNTEER EXPERIENCE

IT Animator (Teacher) | Sernicx IT Solutions

June 2017 – August 2017

- Assisted in teaching essential IT skills comprising of computer operation, internet navigation, and online safety to junior high school students.
- Provided one-on-one support to students facing challenges and seeking further insight to keep all the students on the same page.
- Facilitated practical and hands on exercises and projects to strengthen student knowledge in IT and help them apply this knowledge in real life situations.

Primary School Teacher | Future of Africa

October 2021

- Employed creative and interactive teaching styles, including visual representations, videos and games to make math enjoyable and unforgettable by the students.
- Helped create a constructive and positive classroom environment where everyone feels equal and involved.
- Conducted regular assessments to find progress level, strengths, and weaknesses of students.

Academic Mentor | Ashesi University**September 2023 – Present**

- Offered guidance and advice to a group of students in need of social, academic, mental, and personal development direction.
- Conducted regular weekly sessions, making a safe space to address all their academic, social and personal development problems.
- Helped a group of students set achievable goals for each semester and assisted them in reaching their set goals.
- Integrated different skills like time management, and good study habits into the students to increase their overall academic performance.

ACHIEVEMENTS & AWARDS**Ashesi Financial Aid, Ashesi University****2019 – 2023****Dean's List Honors, Ashesi University****2019 - 2023****Buddy-Up Program, Ashesi University****August 2021****SKILLS*****Proficient in:***

- SQL
- HTML
- CSS
- JavaScript
- PHP
- Python
- Figma
- Video Editing
- Web Deployment
- Leadership
- Collaboration
- Adaptation

Exposed to:

- Java
- Flutter
- C#

References**Available upon request**