

NANA BANYIN AYEYI DJAN

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EDUCATION

Ashesi University

BSc. Computer Science

Berekuso, Eastern Region

August 2019 – June 2023

Ashesi Financial Aid Recipient

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

Research Assistant | Npontu Technologies, Ghana

September 2024 – Present

- Coordinated and mentored a team of interns, delivering introductory courses in product engineering, project management, AI, and cyber security to enhance their skills and knowledge.
- Conducted research on the limitations of Snwolley AI, identifying areas for improvement and developing innovative solutions to enhance its capabilities.
- Authored articles and publications on the advancements and applications of Snwolley AI, highlighting its role in streamlining and automating processes within Npontu Technologies.
- Contributed to the development of high-quality research papers, journals, and other publications to demonstrate thought leadership and expertise in AI research.

Teaching Assistant | Ashesi University, Ghana

August 2023 – August 2024

- 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.

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.

LEADERSHIP EXPERIENCE

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%.

VOLUNTEER EXPERIENCE

Academic Mentor | Ashesi University

September 2023 – August 2024

- 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.

SKILLS

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|--------------|------------------------|---------------------|
| • MySQL | • Web Development | • Communication |
| • PHP | • Video Editing | • Adaptability |
| • HTML | • Database Development | • Problem-Solving |
| • CSS | | • Time Management |
| • JavaScript | | • Teamwork |
| • Figma | | • Leadership |
| • Python | | • Critical Thinking |

ACHIEVEMENTS & AWARDS

Dean's List Honors, Ashesi University

2019 - 2023

Buddy-Up Program, Ashesi University

August 2021

Introduction to Data Science, Cisco Networking Academy

October 2024