

DELALI KWESI KUMI NSIAH-ASARE

P.O BOX 10035

+233596532580/GHANAIAN

Email: delalinsiah.asare@gmail.com

LinkedIn URL: <https://www.linkedin.com/in/delali-nsiah-asare/>

GitHub URL: <https://github.com/purplegeminii>

no school or work email

EDUCATION

Ashesi University College
BSc. Computer Science

Berekuso, Eastern Region
Expected Year of Graduation: 2025

St. Augustine's College
General Science (WASSCE)

Cape Coast, Central Region
Sep 2018 – Oct 2021

ACHIEVEMENTS/AWARDS

Design Lab 5th Place Hackathon Winner, Ashesi University

Nov 2022

PROJECTS AND RESEARCH

EduClima Weather App – Object Oriented Programming Course Project

Mar - Apr 2023

start with
most
recent
projects

- Participated in a group project during the Object-Oriented Programming course utilizing Java.
- Developed "EduClima," an innovative weather application integrating real-time climate statistics from a weather API for all African countries.
- Implemented features allowing users to access current climate data such as temperature, carbon emission, humidity, weather condition, atmospheric pressure, and precipitation for a selected country.
- Facilitated comparison of climate statistics between two selected countries within the app.
- Designed and implemented a user-friendly graphical interface using JavaFX, enhancing the app's accessibility and usability.
- Demonstrated proficiency in Java programming, API integration, and graphical interface development.

Eats Elite Food Ordering Web Application – Web Technologies Course Project

Feb - Apr 2024

- Served as the project manager and back-end developer for a group project during the Web Technologies course.
- Developed "eats elite," a data-powered food ordering web application utilizing PHP, HTML, CSS, JavaScript, and MySQL.
- Implemented seamless food ordering functionalities allowing users to browse menus, add items to a cart, remove items, and update quantities. Designed and implemented restaurant data management features enabling restaurant owners to manage menus, update business information, and track orders graphically.
- Implemented robust user authentication and authorization mechanisms to secure login processes, verify user identities, and restrict access based on user roles and permissions.
- Designed and implemented user profile management functionalities allowing users to create and manage profiles and view order history.
- Demonstrated proficiency in AJAX for dynamic content loading and enhanced user experience.
- Successfully deployed the application on a live server for real-world usage and testing.

PII Data Detection using Bi-directional RNN Model – Machine Learning Course Project

Mar - Apr 2024

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most
recent
projects

- Collaborated with a team on a Machine Learning course project aimed at developing a Personal Identifiable Information (PII) data detection system. Implementation of model within a Jupyter Notebook environment. Conducted extensive preprocessing of the dataset to ensure data quality and consistency, including text tokenization, normalization, and feature extraction.
- Designed and implemented the Bi-directional RNN architecture to effectively capture contextual dependencies in sequential data, enhancing the model's ability to detect PII entities accurately.
- Employed techniques such as dropout regularization and gradient clipping to prevent overfitting and improve model generalization. Utilized Python libraries such as Torch for model development and evaluation. Engaged in continuous model optimization and fine-tuning based on feedback from team members.
- Demonstrated proficiency in machine learning techniques, neural network architectures, and collaborative project development within a competitive environment.

CO-CURRICULAR ACTIVITIES

Ashesi University, Smart Vest AI Research Club Member

[talk about what you did in the club](#)

Sep 2023 - Present

Ashesi University, Google Developer Student Club (GDSC) Member

Feb 2022 – Present

SKILLS
no space

Do not repeat Ashesi University, mention all activities under Ashesi

- Programming Languages (Python, Java, C++)
- Backend Web Development (PHP, JS)
- Version Control (Git/GitHub)
- Microsoft Office Suite
- Project Management (Notion)

