

ABDUL SABIT ARIFF

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EDUCATION

Ashesi University
Ghana

BSc. Electrical and Electronic Engineering

Berekuso, Eastern Region,

Expected Date of Graduation: May 2024

ACHIEVEMENTS AND AWARDS

Ashesi CAD Competition First Place Winner

2021

Dean's List (GPA of 3.5 and above) – Ashesi University

2019 – 2021

UBA National Essay Competition Scholarship

2018

WORK EXPERIENCES

Zetta Company Limited – Accra, Ghana

December 2021 – present

Electronics & Software Engineer

Designed electronic system for measuring EEG data for future prediction of autism (using ARM Cortex-M0+ microcontroller)

Designed & implemented a machine learning prediction model with 85% accuracy for detecting autism in children

Worked with team to interface the inference results of electronics system (using Flutter)

SAYeTECH Company Limited – Kumasi, Ghana

June 2021

Electrical/Electronic Engineering Intern

Researched and designed electronics system for tracking crop threshing yield of ST-600 Multi-crop Thresher

Worked with mechanical and electrical team to design the system in CAD.

Wrote a research report documenting the entire threshing yield efficiency process.

Ozone Technologies & Ashesi University – Berekuso, Ghana

May 2021 – August 2021

Engineering Intern on Ashesi Design Lab Team

Researched and designed the electrical architecture for a battery pack.

Worked on Electronics sub-team to prepare bill of materials and recommend the proper components to be purchased.

Worked on Electronics sub-team responsible for assembling electronics of the vehicle.

StartersTech Limited – Accra, Ghana

September 2020 – November 2020

Robotics & Electronics Tutor

Created and managed curriculum for teaching basic robotics, electronics & programming

Tutored several students in robotics using both virtual and physical equipment

PROJECTS & RESEARCH

PROJECTS

Video Course Chronometer

2023

JPEG Compressor GUI

2022

Drone Medical Delivery Project (Zipline)

2020

Sub

Physics Calculations Engine (in Java)

2019

CO-CURRICULAR ACTIVITIES

Ashesi University, Innovation Experience

May – August 2022

Assistant Programme Coordinator

- Mentored 25 high school students for 2 week and helped them design a Robotic Factory System Model
- Supervised and evaluated technical planning of use of robotics equipment
- Supervised group projects and weekly tasks

SKILLS

- Programming Language: C/C++(proficient), Python (advanced), Dart & Flutter (proficient), Java (proficient), MATLAB (proficient), PHP, JavaScript, SQL
- Front End Development: HTML, CSS, JavaScript, Bootstrap, React
- Back End Development: Django, Node.JS
- Robot Operating System
- Excellent oratory and presentation skills to technical & non-technical audiences

REFERENCES

Available upon request

***Dean's List Honors** – Awarded to students with GPA of 3.5 and above