ABDUL SABIT ARIFF

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EDUCATION

Ashesi University   **Berekuso, Eastern Region, Ghana**
BSc. Electrical and Electronic Engineering   **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**
Machine Learning, 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**
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
- Artificial Intelligence: TensorFlow, ScikitLearn, Edge Impulse, tinyML
- 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