

# ABDUL SABIT ARIFF

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LI: <https://www.linkedin.com/in/ari-arch-engineer> | Portfolio: <https://hadid25.github.io/Portfolio-Website/>

## 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 – January 2023**

**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

**Motion Tracking Management System Dashboard in Django [\*IP]**

**2023**

**Blog Website (in Django) [\*IP]**

**2023**

**Video Course Chronometer**

**2023**

**JPEG Compressor GUI**

**2022**

**Drone Medical Delivery Project (Zipline)**

**2020**

**Physics Calculations Engine (in Java)**

**2019**

Kindly see [Portfolio](#) for more details

## 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), 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

**[\*IP] – In Progress**