

Faisal Aduko Wahabu

Accra, Ghana | +233 545968371 | faisaladuko@gmail.com | Web: <https://faisaladuko.github.io>



EDUCATION

Ashesi University

Electrical and Electronic Engineering

Ghana

Aug. 2017 - May 2021

Relevant Courses Taken: AWS Cloud DevOps Nano Degree on Udacity, Neural Networks and Deep Learning, Data Science, Applied Computer Programming for Engineers (Python), Programming for Engineers (Mat Lab), Statistics for Engineers, Digital Signal Processing, System Dynamics, Embedded Systems, Computer Networks and Data communication, Control Systems, Project Management, Introductory French etcetera.

ACHIEVEMENTS AND AWARDS

Runner-up, GE AI/ML GUILD Hackathon - GE Gas Power	2023
Scholar, The MasterCard Foundation Scholars Program – Ashesi University	2017 – 2021
Dean's List (GPA of 3.5 and above) – Ashesi University	2018 – 2019
Participant , 2016 Edition of the National Math and Science Quiz	2016
Overall Consecutive Best Student , Navrongo Senior High	2016
Overall Best in B.E.C.E. Exams , Bongo District	2013

TECHNICAL SKILLS

- **Languages:** Python (85%), Pandas (88%), MATLAB (82%), R (80%), SQL (85%), JavaScript (75%), C (70%)
- **Tools:** RDBMS (PostgreSQL, MySQL), ETL (Talend, MS Azure, Glue) Version Control Systems (Git), CI/CD (Jenkins, Circle CI), AWS, PyTorch, Tableau, Excel, SharePoint, Smartsheet, SPSS, Rally, etc.

WORK EXPERIENCES

General Electric – Accra, Ghana

Jun. 2022 – Present

Digital Technology Analyst

- Develop efficient data integration automation systems to combine, manage, and obtain insights from data.
- Develop and maintain analytical dashboards and drive user adoption of existing software solutions.
- Collaborate with the operations team to improve their processes through our digital solutions.
- Spearhead Lean process improvements, optimizing team efficiency and effectiveness.
- Contribute to LLM fine-tuning research under the AI & Machine Learning Guild program.
- Manages GE's AI Language Translate Software for the SSA region.
- Partake in ERP migration implementation from Oracle-based Charlie to SAP PowerMax (PMX)
- Assumed responsibility from an underperforming consultant and led as a Python backend developer, leading to significant savings in both cost and time.
- Created an email automation system that improved Tableau server load speeds by 10x and boosted dashboards' adoption and usage.

Aya Data – Ghana

July 2021 – Jun. 2022

Data Specialist

- Preprocess data for Machine Learning projects
- Conducted Quality Assurance testing for customers on Image, text, audio, video, and radar data.
- Conducted research and Prepared Proof of Concepts on relevant Computer Vision use cases in Africa.

Green Honey Company Limited – Ghana

Jun. 2020 – Aug. 2020

Frontend Developer

- Developed web dashboards to track honey production volumes.
- Built flexible Charts from scratch using Chart.js.

UNDERGRADUATE RESEARCH

- **Indoor Navigation with AR:** Combined Visual-Based Localization with Received Signal Strength Indicator for an Indoor Navigation Application. Explored Bayesian Filters for Sensor Fusion. Incorporated multiuser experience where an indoor space is scanned for its visual & RSSI landmarks, and this data is stored in Firebase and it's retrievable for all other users within the same space for navigation. [Link](#)

- **Ticket Classification:** This addresses a real-life challenge of Hyper Automation Support tickets, allowing the appropriate team to track down issues and resolve them. Used the K-MEAN Classification algorithm to cluster tickets into different categories. With the help of the Ski-Learn Feature Extraction Vectorizer library and pandas, the implementation was simplified. [Link](#)
- **Fetal Health Classification:** An ML model that aims to reduce child and maternal mortality rates by categorizing the health of fetal into suspect, normal, and pathological, with 99% accuracy using historical cardiotocograph data. [Link](#)

LEADERSHIP ENGAGEMENTS

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| • Research Lead, Sankofa Fellowship, Ashesi University | Aug. 2019 – April 2021 |
| • President, Ashesi Muslim Community | Jan 2020 – April 2021 |
| • Tutor And mentor, Bowney Initiative, Ashesi University | Jan. 2017 - 2020 |
| • Ashesi Robotics Experience, Ashesi University | 2017 - 2018 |
| • A Member of the Red Cross Society, Navrongo Senior High | 2015 – 2016 |

REFERENCE

- GitHub: [LINK](#)
- LinkedIn [LINK](#)
- Available on request