Faisal A. Wahabu

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EDUCATION

Saint Louis University   **USA**
  MS. **Electrical and Computer Engineering**   **Dec. 2026**
    Courses: Data Structures and Algorithms, Quantum Information Sciences, Precise Positioning, and Applications of GNSS.
Ashesi University   **Ghana**
  BSc. **Electrical and Electronic Engineering**   **May 2021**

WORK EXPERIENCES

Supra Oracles – Remote   **Mar 2024 – Feb 2025**
Automation Engineer
- Built automation frameworks to test and simulate L1 consensus protocols.
- Collaborated with protocol engineers to debug consensus-level bugs using logs and protocol state snapshots.
- Automated multi-node blockchain network deployment, configuration, and health checks in containerized and cloud-based environments.
- Developed test suites to validate protocol correctness under adversarial conditions such as network partitions, node restarts, and delayed finality

General Electric – Accra, Ghana   **June 2022 – Feb 2024**
  Software Engineer
- Led Python backend data modeling for P&L software; managed PostgreSQL and supported AWS deployment and maintenance
- Enhanced GE's AI translation system by fine-tuning large language models (LLMs), contributing to a 20% increase in user adoption
- Designed and maintained data pipelines and email automation tools using Python and API integrations, reducing manual workload by ~4 hours/day
- Built performance-monitoring scripts for Tableau Server using Python and REST APIs, cutting infra costs by $84K/month and improving dashboard load times by 10%

Aya Data – Accra, Ghana   **July 2021 – Jun. 2022**
  Data Engineer
- Led data preprocessing workflows, improving ML pipeline performance by over 50%
- Enhanced Data Security and Quality controls by engaging with clients and enforcing data policy protocols.
- Built ETL pipelines for ML PoC projects, driving a 40% increase in lead generation efficiency.

SKILLS

- **Languages**: Python, Rust, SQL, C, MATLAB (Simulink), R Programming
- **Tools**: Linux, AWS Cloud, PyTorch, PostgreSQL, Git, Scikit-learn, Pandas, Pytest, FastAPI.
- **Soft Skills**: Communication, Agile Project Management, Customer Service, Technical Writing.

PROJECTS

- **Indoor Navigation System**: Combined Visual-Based Localization with Received Signal Strength Indicator for an Augmented Reality Indoor Navigation Application. Explored Bayesian Filters for Sensor Fusion. Clickable Link
- **Automated Test Case Execution and Reporting Tool**: A Python script that automates the execution of test cases and generates a comprehensive report for software quality validation. Link | VIDEO
- **Ticket Classification**: a Machine Learning classifier for Support ticket classification, allowing the appropriate team to track and resolve issues. It is implemented using the K-Means algorithm utilizing Scikit Learn. Clickable Link

LEADERSHIP AND AWARDS

Runner-up, **GE AI/ML GUILD Hackathon** - GE Gas Power   **2023**
Scholar, **The MasterCard Foundation Scholars Program –** Ashesi University   **2017 – 2021**
Research Lead, **Sankofa Fellowship, Ashesi University**   **Aug. 2019 – April 2021**