Solomon Agyire

Normal, Alabama, 35811

solomonagyire.com | sagyire83@gmail.com | linkedin.com/in/solomon-agyire | github.com/SolomonAgyire

Education

Alabama A&M University(AAMU), Normal, Alabama — Expected Graduation: May 2027
Bachelor of Science, Computer Science, GPA: 4.0/4.0

Coursework: •Advanced Programming •Intro to Databases •Operating Systems •Data Structures •Digital Logic Design •Python •Web Development 101 •Discrete Structures •Linear Algebra

Technical Skills

•Python •React •JavaScript •HTML/CSS •React Query •APIs •Git •Binary Classification •Neural Networks •PyTorch •Regression Analysis •Fullstack

Experience

June 2025 – August 2025 — **Meta** — Menlo Park, CA
SWE Intern

- Built a fullstack roadmap generator using React, Prisma, and PostgreSQL, enabling users to convert project ideas into structured, timeline-based plans with custom prioritization and resource suggestions
- Designed and implemented file summarization and adaptive milestone reordering algorithms, boosting planning accuracy and productivity by 30%+.
- Optimized backend performance through API tuning, caching, and database query refinement, reducing load times and improving scalability.
- Conducted a large-scale database cleanup, removing gatekeepers and ensuring 100% public accessibility for rolled-out features on Facebook's Trust & Safety page.

March 2024 – August 2025 — **Facility for Rare Isotope Beam** — East Lansing, MI
AI Intern

- Implemented signal reconstruction using autoencoders to decode and detect anomalies for accurate modeling.
- Conducted binary classification analysis on experimental beam pulse data using PyTorch, achieving **99.7%** model accuracy.
- Collaborated with cross-functional teams to align on requirements, share progress updates, and ensure smooth integration of features across the product ecosystem.

Projects

January 2025 - March 2025 — **BrowseCap - Site-Saver** Chrome **Extension** — Huntsville, AL

- Developed a Chrome extension for saving and organizing websites, implementing tagging and categorization to streamline content management.
- Built a responsive, accessible UI using HTML, CSS, and JavaScript with search, filtering, and sorting capabilities for quick content retrieval.
- Integrated local storage for persistent bookmarking and optimized front-end performance to ensure smooth user interactions.

August 2024 - December 2024 — **Real-Time Disaster Analysis Using NLP and Social Media** — Huntsville, AL

- Employed Natural Language Processing **(NLP)** techniques such as BERT for real-time disaster detection and sentiment analysis.
- Created a system to classify, locate, and evaluate the urgency of disaster-related social media posts.
- Achieved a classification accuracy of 94.5% and high F1 **sc**ores, demonstrating reliable disaster response support.

Leadership

• President: GDG-AAMU • Membership chair: ACM-AAMU

Achievements

1st, AAMU STEM Research Presentation 2024, **2nd,** Mastercard Data Challenge, **2nd,** Innovate Alabama 2025, AAMU Presidential Scholarship, **2x** AAMU Presidential Medallion