

Aryan Luitel Bolakhe

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Education

Alabama Agricultural and Mechanical University

Huntsville, AL

B.S. in Computer Science, Rising Junior (GPA: 3.94/4.0)

Expected Graduation: May 2027

- **Coursework:** Data Structures, Intro to computer and Ethics(Python), Intro to programming I and II, Discrete Structures, Calculus I and II, Digital Logic, Operating System, Computer Organization, Machine Learning

Technical Skills

- **AI/ML:** scikit-learn, recommendation systems, model evaluation, data preprocessing
- **Languages:** Python, Java, C++, Go, JavaScript/TypeScript
- **Frontend:** React, Next.js, GraphQL, TailwindCSS, CSS Modules, Responsive & Accessible UI
- **Cloud & DevOps:** AWS (EC2, S3, Lambda), Azure (Synapse, Data Factory, SQL), Docker, CI/CD, Git/GitHub
- **Data & Systems:** MongoDB, PostgreSQL, Apache Spark, Microservices, REST APIs, Unit Testing

Work Experience

Software Development Engineer Intern (Incoming)

Summer 2026

Adobe

San Jose, CA

Student Athlete Tutor

Aug 2024 – Present

Alabama A & M University

Huntsville, AL

- Support 50+ student-athletes in Python, C++ and Calculus Classes, strengthening foundations in data structures and algorithms
- Reinforced operating systems fundamentals and object-oriented programming through in-class examples and debugging sessions.

Data Engineer Intern

May 2023 - Aug 2023

GrowByData

Lalitpur, Nepal

- Automated ETL pipelines on AWS EC2 using Python, reducing manual data processing workload by 30 %.
- Processed, validated, and transformed large datasets to improve reliability of analytics and machine learning pipelines

Projects

Responsive Login Page

Oct 2025

- Created a fully responsive login page using HTML, CSS, and JavaScript.
- Implemented JavaScript-based form validation, reducing login errors and improving security.

Real-Time Bus Arrival Tracker(Python, React, Azure)

Oct 2024

- Developed a full-stack web app predicting bus arrivals using live APIs and data pipelines with cloud-native architecture.
- Implemented CI/CD workflows and documentation for maintainability and distributed data integration.
- Designed pipeline integration with Spark for distributed data handling and fault-tolerant service orchestration.

MovieMatch(React, TypeScript, scikit-learn, AWS)

May 2024

- Built an AI-driven movie recommendation web app using collaborative & content-based filtering.
- Designed React UI components for real-time personalization, improving responsiveness by 35%.

Leadership and Honors

- **HBCU First Intern (HBCU First)** Jan 2026 - April 2026
- **BEGIN Quantum Computing Intern (NSF - National Science Foundation)** May 2025
- **Adobe + HBCU 20X20 Fellow** May 2025
- **Grow with Google IT Support Scholar 2025 (Grow with Google)** Feb 2025
- **HBCU Possibilities Summits Schoalr (Goldman Sachs)** Oct 2024

Certification and Awards

- **AWS Certified Cloud Practitioner (AWS)**