Aryan Luitel Bolakhe

Huntsville, AL

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Education

Alabama Agricultural and Mechanical University   Jan 2024 - May 2027
B.S in Computer Science, Sophomore, GPA: 4.0/4.0   *Huntsville, AL*

- **Coursework**: Intro to computer and Ethics(Python), Intro to programming I and II, Discrete Structures, Calculus I and II, Computer Networks
- **Awards**: AAMU Merit Scholarship

Technical Skills

- **Languages**: Python, HTML/CSS, JavaScript, C/C++
- **Technologies & Frameworks**: React, Next.js, OpenCV, Git/GitHub, React, Next.js, OpenCV, Git/GitHub
- **Soft skills**: Teamwork, Communication, Leadership, Problem-Solving, Time Management, Critical Thinking

Work Experience

Teaching Assistant   Aug 2024 – Present
Alabama A and M University   *Huntsville, AL*

- Provide academic support and tutoring to students in Intro to Computer and Ethics(Python), Intro to programming (C++) and Calculus I and II.
- Assist students with understanding core programming concepts including data types, control structures, functions, and object-oriented programming.

Data Engineer Intern   May 2022 – Aug 2022
GrowByData   *Lalitpur, Nepal*

- Utilized **Python** to develop scripts for automating data collection and transformation processes, reducing manual tasks by 30%.
- Collaborated with a team to implement improvements in JavaScript-based tools, enhancing user interfaces and functionality for internal data visualization.

Programming Intern   Jan 2023 – March 2023
Coderstrust Nepal   *Kathmandu, Nepal*

- Mentored 100+ coding bootcamp students enhancing their proficiency in Python, JavaScript, HTML, and CSS, resulting in a **30%** increase in concept mastery.
- Designed interactive AR/VR course materials via **CoSpaces.io**, resulting in a **25%** increase in student involvement and productivity, and providing campers with immersive educational experiences.

Projects

Real-Time Bus Arrival Tracker   Oct 2024

- Developed a real-time transit tracker to predict bus arrival times using **Python** and transit **APIs**.
- Designed a responsive user interface with **HTML**, **CSS**, and **JavaScript** to enhance accessibility.
- Utilized **React** for handling the quiz logic, managing state, and dynamically rendering content based on user interactions..

Weather App   Aug 2024

- Developed Weather-Forecasting Application using **Python** that retrieves real-time weather data from these OpenWeatherMap **API** based on the user's location or input.
- Implemented **API** calls using **Python**'s requests library to fetch weather data such as temperature, humidity, wind, speed, and forecast for multiple days.
- Utilized **React** for handling the quiz logic, managing state, and dynamically rendering content based on user interactions.

Responsive Login Page   May 2024

- Developed a fully responsive login page using **HTML**, **CSS** and **JavaScript** to improve user experience, resulting in a **30%** reduction in user drop-off rates.
- Implemented **JavaScript**-based form validation to enhance security and reduce login errors, improving their user authentication process.

Leadership / Extracurricular

- TMCF DevCon Scholar   June 2025
- Grow with Google IT Support Scholar   Feb 2025 - May 2025
- Goldman Sachs HBCU Possibilities Summits: .   Oct 2024-Dec 2024
- Asana Partners Retail Real Estate Investments Bridge Program   March 2025- April 2025
- Adobe X HBCU 20X20 Fellowship Program   May 2025- June 2025