

MOHAMMED SAABIQ SAHA

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EDUCATION

Grambling State University

Expected Graduation: May 2028

Major: Bachelor of Science in Computer Science

Relevant Coursework: Data Structures and Algorithms, Intro to Computer Science, Calculus I, Intro to Data Analytics

EXPERIENCE

Nasari – Grambling, Louisiana

Aug 2024 – Present

GSUhub Project Lead

- Led a team of 7 students to build [GSUhub](#), a platform for students at Grambling State University to trade items and offer services, currently with 143 students on the waitlist.
- Managed team's workflow with GitHub Enterprise, conducting 45+ code reviews and resolving 16 merge conflicts in 2 months.
- Led efforts to secure a \$2,500 sponsorship from Microsoft, including Azure credits and a year of access to premium products.

Globin Suite – Tamale, Ghana

Feb 2023 – May 2023

Full Stack Developer

- Trained a deep learning model using Azure Custom Vision, on a dataset of 5000 blood cell images, identifying malaria falciparum and sickle cell infections with 94% accuracy.
- Implemented RESTful API to deploy the trained model for realtime plasmodium detection.
- Converted model to TensorFlow Lite, enabling offline disease detection in remote areas.

PROJECTS

Market for Local Farmers (Nasari Farm)

[Github](#)

- Crafted a responsive UI with React and Tailwind CSS for seamless navigation and transactions.
- Implemented user authentication (login and sign-up) and secure Stripe payments.
- Developed an admin panel with real-time analytics for managing 17 market products and 6 vendors.
- Optimised a MongoDB database for scalable user data management and reduced query time by 10%.

Maize Disease Classifier (Web App) (MGv1.1)

[Demo](#) | [Github](#)

- Developed a convolutional neural network with TensorFlow Keras to detect Common Rust in maize plants.
- Optimized model training on 2500 images (2GB dataset) with 50 epochs and 16 batch size.
- Implemented Early Stopping and dropout layers to prevent overfitting by 60%.
- Designed a user-friendly Streamlit app for farmers to diagnose maize plants with 92% accuracy.

SKILLS

- **Programming languages:** Python, JavaScript
- **Frameworks:** React, Streamlit
- **Libraries:** TensorFlow, Keras, scikit-learn, NumPy, pandas
- **Technologies:** Git, Azure, Firebase

EXTRACURRICULAR ACTIVITIES

- **Co-Founder,** [Rhizone](#)
- **Member,** Colorstack

Oct 2022 – Present

June 2024 – Present