

# JESSE ANNAN

+1 (470) 920-9216 | [jannan3@student.gsu.edu](mailto:jannan3@student.gsu.edu) | [linkedin.com/in/jesse-annan](https://www.linkedin.com/in/jesse-annan) | [github.com/annan92419](https://github.com/annan92419)

## EDUCATION

**Georgia State University (GSU)** **Atlanta, Georgia**

MS. Mathematics: Scientific Computing – GPA 3.87 **Dec 2024**

- Modules include Optimization, Data Mining, Data Science, Machine Learning, and Applied Matrix Algebra.

**Kwame Nkrumah University of Science and Technology (KNUST)** **Kumasi, Ghana**

BS. Mathematics – First Class Honors **Nov 2021**

- Modules include Linear Algebra, Numerical Analysis, Statistics, Mathematical Programming and Calculus.
- **Dissertation:** Application of Machine Learning in Predicting Hostel Prices – A Case Study of KNUST.

## WORK EXPERIENCE

**Georgia State University** **Atlanta, Georgia**

Graduate Research Assistant **Apr 2023 – Present**

- Collaboratively reproducing and advancing machine learning research papers under the mentorship of [Dr. Yi Ding](#).

**Georgia State University** **Atlanta, Georgia**

Graduate Lab Assistant **Aug 2022 – Present**

- Simplified freshman coursework by visually explaining statistical concepts using Microsoft Excel.
- Aided lab instructors in resolving students' challenges with the online learning platform.

**Kwame Nkrumah University of Science and Technology** **Kumasi, Ghana**

Teaching Assistant **Nov 2021 – Aug 2022**

- Enhanced student understanding of algorithms by providing python and MATLAB implementation.
- Created LaTeX instructional materials to help students stay synchronized with the instructors' lessons.

**Presbyterian Senior High School – Osu** **Accra, Ghana**

Teaching Assistant Intern **Jun 2018 – Aug 2018**

- Tutored sophomore students in mathematics and ICT, administered exams, and formulated grading rubrics.

## SKILLS

- |                   |                |                      |                            |
|-------------------|----------------|----------------------|----------------------------|
| • Python 3        | • Data Science | • Machine Learning   | • Version control with Git |
| • Microsoft Suite | • LaTeX        | • Team Collaboration | • Leadership               |

## PROJECTS

- **US Airline Sentiment Analysis** **July 2023**  
Conducted an in-depth analysis of the Twitter airline dataset, providing airline companies with insights into passengers' concerns and constructed an efficient logistic regression model to classify passengers' feedback.
- **Bike Sharing Demand Analysis** **April 2023**  
Teamed up to create a polynomial regression model that empowered businesses to boost customer satisfaction and profitability simultaneously. Also, experimented with KNN to provide key insights into customer demand trends.

## ORGANIZATIONS

- Mathematical Association of America ([MAA](#)) **Aug 2022 – Present**
- Black in Mathematics Association ([BMA](#)) **Jan 2022 – Present**
- WeRise Foundation (caregiving) **Jan 2021 – Present**