

# Soribinta Diallo

Stone Mountain, GA

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678.702.1004

## EDUCATION

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<b>Georgia Institute of Technology</b> , Atlanta, GA, ( <i>Senior</i> )	May 2020
Candidate for Bachelor of Science in <b>Industrial and Systems Engineering</b>	<b>GPA: 3.63</b>
<b>Georgia State University</b> , Clarkston, GA, ( <i>Honors</i> )	May 2017
Associate Degree of Arts in <b>Mathematics</b>	<b>GPA: 3.93</b>

## EXPERIENCE/ SKILLS

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<b>Federal Reserve Bank of Atlanta</b> , <i>Technology Solutions Intern</i> , Atlanta GA	May - August 2019
<ul style="list-style-type: none"><li>Created data models for analysis using Power queries in excel</li><li>Performed data analytics by using BI tools such as Power BI and Tableau in order to compare tool performances</li><li>Provided technology solutions by building interactive dashboards for corporate relations to make impactful decision for the bank leadership and financial management outlook over the past few years.</li><li>Successfully created innovative solutions by showing capability of free Microsoft Power BI tool in order to cut back on Tableau licenses and save over a million dollars in a span of 5 years.</li></ul>	
<b>GATECH Center for Health and Humanitarian Services</b> , <i>Operations Assistant</i> , Atlanta GA	January 2019 - Present
<ul style="list-style-type: none"><li>Maintaining database by entries, queries and modifications</li><li>Running queries from database as requested and modeling data using Excel and its functionalities including Power Queries.</li><li>Managing center email and outreach for program initiatives</li><li>Providing support for center events including event marketing, and day of logistics support like registration</li></ul>	
<b>Insight Optics (Startup) at Georgia Tech</b> , <i>Business Analyst</i> , Atlanta GA	August - December 2019
<ul style="list-style-type: none"><li>Analysed, created and presented a new business model to the client and the class.</li><li>Performed some market analysis using Maket Data and Core Related Research</li><li>Used Business Model Canvas, SWOT and Porter's Five Forces Analysis</li></ul>	

**Programming:** Python, SQL, R, Gurobi, Java(beginner), Database Systems, DBMS, OOP, API

**ISyE Concepts:** Advanced Optimization, Simulation Analysis, Supply Chain Modeling: Logistics, Methods of inventory storing, Transportation Modeling, Decision making on flow of goods, Money and Information, Methods of stochastic movements in manufacturing and equipment maintenance, Queuing Theories, Markov Chains, Open Jackson Networks, Statistical decision making, analysis and modeling of relationships, Mathematical Induction, Recurrence relations, Graph theory and Graph algorithms, Linear Programming.

**Software:** Tableau, Power BI, QlikView, Simio, Minitab, Arena, Mathematica, Desmos

**Language:** English(fluent), French(fluent), Arabic (read and write), Fulani(fluent), Wolof(intermediate)

## PROJECTS

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### Database Systems and DBMS Team Project, GATECH

- Designed and created an application system that stores data (Database Systems)
- Analyzed, specified, designed, implemented and as well as demonstrated the system with team

### Optimization Team Project, GATECH

- Optimized a route for Truck company that carries product given specific constraints
- Formulated a mixed integer mathematical program then implemented it by coding in python to solve the program

### Tech Bridge (Metrics Calculations for ROI) project with Epic Intentions at GATECH

- Designed calculation methods for return on investments by using Form Assembly combined with Salesforce and visualization methods on Tableau
- Finally, documented and presented the solution with my team

### Tuition Statistical Analysis for US Public Schools, GATECH

- Retrieved Data on over 200 US public schools for the purpose of analyzing it.
- Performed Statistical Analysis using both ANOVA and regression to determine factors that affect tuition.
- Used Forecasting and Regression to make a model that predicts tuition for schools in certain regions and potential years

## LEADERSHIP/ CLUBS/ ORGANIZATIONS/ HONORS & AWARDS

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Secretary of Phi Theta Kappa, STEM Excellency Award, Women in Engineering WIE, IISE, GTSBE, National Society of Collegiate Scholars, Golden Key Honor Society, Georgia State University Dean's list, TA in Math Class, Larry Smith Mathematics Scholarship