

**Maria Shiferaw**

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225 Briargate Rd Apt J-17

https://github.com/mariashiferaw/Projects

# PROFILE

Graduate student majoring in data science, seeking an internship to apply and enhance skills in real-world scenarios. Actively pursuing a full-time position in the data science field. Eager to contribute expertise and learn from experienced professionals to tackle complex data-driven challenges and innovate in a professional setting.

# PROFESSIONAL EXPERIENCE

## Data Analytics, Gestational diabetes, and Credit Card Fraud detection

*Minnesota State University*

Conducted thorough analysis of diverse large-scale datasets, employing Python and R programming languages to clean, process, and organize data efficiently. Developed visually appealing diagrams and charts, enhancing data comprehension and aiding stakeholders in making informed decisions.

Implemented rigorous data cleansing techniques, ensuring accuracy and consistency, and collaborated with cross-functional teams to translate analytical insights into actionable strategies, contributing to data-driven decision-making processes within the organization.

## Researcher, Activation Functions and Neural Networks

*Minnesota State University*

Conducted in-depth research on neural network activation functions, exploring their strengths and weaknesses to develop insights for potential improvements. Implemented Convolutional Neural Networks (CNNs) to create a prototype recommendation system for diabetes medications, incorporating basic data analysis techniques for personalized suggestions.

Collaborated with peers and professionals, applying research findings to practical scenarios, demonstrating adaptability and problem-solving skills in real-world applications.

## Graduate Assistant, Mathematics Tutor

*Minnesota State University*

Deliver tailored academic support to students encompassing a wide range of abilities in calculus and trigonometry, ensuring individualized guidance to enhance their understanding and proficiency.

Facilitate the development of effective study strategies, communication skills, and positive behavioral patterns among students, fostering a conducive learning environment.

Cultivate an atmosphere of intellectual growth by empowering students to master complex problem-solving techniques, grasp intricate concepts, and bolster their confidence, thereby promoting academic excellence and self-assurance.

# SKILLS

## Hard Skill:

Java, HTML5, JavaScript, SQL, R, C/C++, Python, Assembly Language, Pandas, Seaborn, NumPy, Machine Learning, Microsoft Office, Power BI, Linear Algebra, Linear Regression, Statistics, Discrete Mathematics, Differential Equation, Calculus, Statistics

## Soft Skill:

Team Player, Leadership, Problem Solver, Time Management, Detail Oriented, Communication, Presentation, Adaptable, Project Management, Punctuality

# EDUCATION

## Data Science, Master of Science

*Minnesota State University*

## Computer Science and Mathematics, Bachelor of Art

*Meredith College*

08/2022 – 07/2023

Mankato, United States

08/2022 – 05/2023

Mankato, United States

08/2022 – present

Mankato, United States

08/2022 – present Mankato, United States

08/2018 – 05/2022

Raleigh, United States