DANIEL MULENDA

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
Bachelor of Science in Computer Science   December 2023

Georgia State University   Atlanta, GA
Associate of Science in Computer Science   August 2018 - December 2020

WORK EXPERIENCE

Undergraduate Research Assistant, Georgia Institute of Technology   January 2022 – May 2023
- Conducted correlation analysis between exam formats and academic performance using research papers and school datasets
- Developed and implemented a RESTful API using Flask and Flask-RESTful for seamless frontend-backend communication.
- Designed an API to represent three difficulty indicators derived from keyword analysis.
- Led weekly meetings and managed sub-team progress, ensuring alignment with project milestones.
- Maintained communication between team members and professors, fostering collaboration.

Software Engineer Intern, Congo Coders   June 2022 – August 2022
- Participated in the on-site testing of a transaction and ticketing system for one of Congo Coders clients.
- Designed and implemented a robust API using Spring Boot and MySQL for a financial institution, enabling automated weekly comparisons of rates from diverse vendors and incorporating essential statistical analyses such as standard deviation, mean, and median for comprehensive financial insights.

Student assistant, Georgia State University   February 2019 – December 2020
- Welcomed and assisted students, ensuring a smooth sign-in/sign-out process.
- Directed unfamiliar students to appropriate tutoring areas, showcasing proactive and helpful communication skills.

Summer Analyst Intern , Airtel Congo   July 2016 - August 2016
- Conducted in-depth analysis and drafting of the company's quarterly budget to optimize financial planning.
- Evaluated the impact of sales and purchases on budget allocation, ensuring financial efficiency.
- Assessed and compared the benefits of various contracts with partner companies to support strategic decision-making.

CAMPUS AND COMMUNITY INVOLVEMENT

Senator in charge of academic affairs, GSU Perimeter College Student Government   August 2020 - December 2020
- Mediated the relationship between teachers and students on campus.
- Arranged meetings between teachers and student groups to discuss teaching quality and techniques.

Club secretary, GSU Perimeter College Computer Science Club   August 2020 – December 2020
- Planned and managed club events, ensuring smooth execution and engagement.
- Led a campus outreach, enrolling 100+ students.

PROJECTS

Machine learning Model: Validity of news posts on social media, Georgia Institute of Technology   January 2023 - May 2023
- Boosted Model Performance: Implemented TF-IDF and PCA for feature reduction, resulting in a model accuracy of 67.3%, precision of 69.1%, recall of 85.6%, and F1-score of 76.5%.
- Data-Driven Insights: Conducted data manipulation with Pandas and visualized key patterns using Matplotlib, aiding in the identification of significant trends and improving model interpretation.
- Website Development and Maintenance: Led the development and maintenance of a comprehensive group website using HTML, CSS, and GitHub for hosting, providing an accessible platform for documentation, resources, and project progress tracking.

Tower Defense Game , Georgia Institute of Technology   January 2023 - May 2023
- Collaborated in a team using AGILE methodologies to design a user-friendly tower defense game.
- Developed backend functionalities, ensuring clean, maintainable, and efficient code using Java, JavaFX, and IntelliJ IDEA.
- Wrote unit tests in Java to ensure code reliability and maintainability.
- Leveraged GitHub for version control, showcasing familiarity with the best coding practices.

SKILLS

Technical: Java, Python, JavaScript, HTML/CSS, Spring, MySQL, Flask, IntelliJ IDEA, PyCharm.
Language: English (Fluent), French (Native) , Lingala (Native), Spanish(Basic).

Relevant Coursework : Numerical Analysis, Data Structures and Algorithms, Objects and Design, Computer Organization & Program, Systems & Networks, Design & Analysis of Algorithms, Automata & Complexity, Machine Learning, Computer Vision.