Ibrahima Gueye

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EDUCATION

Kennesaw State University

Bachelor of Science in Computer Science

Courses:

Data Structures, Software Engineering, Discrete Mathematics, Algorithm Analysis, Machine Learning, Database Systems, Linear Algebra, OOP, Operating Systems, Computer Architecture, Statistics and Data Analysis

Activities:

National Society of Black Engineers (NSBE), Society of Hispanic Professional Engineers (SHPE), Hackathon Team-App for Well-Being (1st place), Magmutual Hackathon for Social Good (3rd place), ColorStack

SKILLS

- Java, Python, R, JavaScript, Git, Natural Language Processing, Machine Learning, Malware Analysis, Neural Networks,
- Jupyter Lab, Spacy, Prodi.gy, Keras, Scikit-Learn, OpenCV, TensorFlow, Computer Vision, Figma, Azure, Google Colab, AWS

EXPERIENCE

Kennesaw State University Kennesaw, Ga

Research Assistant August 2022 – Present

- Annotating 19,000 clinical notes utilizing Spacy and Prodigy tools for classifying suicide attempts and ideation
- Developed and improved Neural Network models for malware prediction
- Organized and presented research data on malware prediction using Python libraries such as Matplotlib and Seaborn
- Selected to present at the National Conference of Undergraduate Research (NCUR) on my research findings

Accenture Atlanta, Ga

Consulting Intern May 2021– July 2021

- Constructed business models that provided application management and implementation services
- Documented technical business meetings, planning, and proposal presentations for the department
- Provided technical support and insight into front-end design solutions for development and consumer interaction

PROJECTS

Real-Time Sign Language Detection – *Python, OpenCV*

- Developed a computer vision program that translates sign language to English using OpenCV and TensorFlow
- Used transfer learning against TensorFlow object detection API to train the object detector
- The trained model for over 10,000 steps to attain accurate and consistent results
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House Price Prediction – *Python*

- Developed a California housing price prediction tool using Python that determines home prices based on ocean proximity
- Performed data analysis, feature engineering, and data modeling to successfully clean and process the dataset
- Built models such as linear Regression, Random Forest Generator, Logistic Regression, etc. to achieve an accuracy of 89%

Mail API Email System - *Java*

- Developed an emailing system using a Java Mail API
- Configured email server properties including host, port, and authentication
- Set the recipient email address, subject, and body on the message object before sending the email
- Demonstrated the functionality of the emailing system with a main method that invokes the email-sending method