Mamudu Kareem Cole

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EDUCATION

North Carolina A&T State University	Greensboro, NC
B.S Computer Science , GPA: 3.65	December 2026

Central Carolina Community College	Sanford, NC
Associates of Science, GPA: 3.90	May 2023

Lee Early College	Sanford, NC
High School Diploma, GPA: 4.40	May 2023

AWARDS: Honors College (24'- 25') , N.C. A&T Merit Scholarship (23'), ACTS Scholarship, Lee County Scholar, Lee Early College Honor Society, Summa Cum Laude, Chancellor's List, N.C. A&T Dean List

SKILLS & RELEVANT COURSEWORK

Technical Skills: Java, HTML, JavaScript, CSS, R, Python, LaTeX, C++, Power Applications, SQL,
Relevant Coursework: AI & Machine Learning, Software Engineering, Data Base Design, Data Structures, Internet Systems, Operating Systems, Intro Probability & Statistics

WORK EXPERIENCE

Nationwide — Columbus, Ohio
Software Engineer Intern — May 2025 - August 2025
- Worked as part of an intern engineering team to deliver 3+ development projects using Power Apps, Bash scripting, and Java, gaining hands-on experience across the full software development life cycle (SDLC).
- Enhanced the Impairments Document Application by fixing an attachment defect and implementing dynamic role-based attributes, improving functionality and user experience.
- Built automation scripts and addressed security vulnerabilities while collaborating with engineers and business stakeholders to deliver reliable, efficient solutions aligned with departmental needs.

National Science Foundation & Security Agency — Greensboro, NC
Researcher — May 2024 - August 2024
- Conducted a comprehensive study on the impact of social media usage on emotional well-being among young adults, utilizing exploratory data analysis (EDA) and machine learning clustering techniques.
- Implemented K-means clustering to identify patterns and group users based on social media usage and emotional states. Explored alternative methods like Model-Based and Hierarchical Clustering to optimize clustering accuracy.
- Developed a custom function in R to evaluate the efficacy of clustering models, enabling precise accuracy calculations and enhancing the robustness of the research findings.

CAMPUS INVOLVEMENT

Vice Basileus (President) of Mu Psi Chapter of Omega Psi Phi Fraternity Inc. — Greensboro, NC
- Led chapter operations and coordinated programs, service initiatives, and events for 20+ fraternity members, strengthening community engagement and organizational impact.

Mentorship Committee Chair of Aggie M.E.N — Greensboro, NC
- Organized mentorship programs and workshops that connected upperclassmen with first-year students, fostering professional growth, academic success, and community among participants.

Treasurer of N.C. A&T Association for Computing Machinery — Greensboro, NC
- Managed chapter finances by overseeing budgeting, dues collection, and expense tracking, ensuring accurate records and supporting successful execution of technical events and initiatives.

First Place Recipient for Fall 2024 Hackathon — Greensboro, NC
- Developed the user interface named PredictFi, a machine learning finance forecasting platform tailored for Goldman Sachs, featuring a dashboard, profile, financial performance, and live news updates page.