

Mohamed Sharif

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EDUCATION

- **GEORGIA STATE UNIVERSITY** Atlanta, GA
Bachelor of Science in Computer Science Expected May 2026
- **Relevant Course Work**
Cloud Computing, Computer Architecture & Assembly, Data Mining, Data Structures & Algorithms, Operating Systems, Probability & Statistics, Software Development I & II, System-Level Programming

EXPERIENCE

- **Office of the Dekalb County District Attorney** Decatur, GA (Hybrid)
Data Analysis Intern August 2025 – Present
 - Managed the structure and use of crime, community, and case databases.
 - Analyzed data and intelligence to identify crime patterns and criminal networks.
 - Used dashboards, code, and statistics to display and predict community patterns.

SKILLS

- **Programming:** C, FastAPI, HTML & CSS, Java, JavaScript, Node.js, Python, R, React, Rust, SQL
- **Tools:** Azure, Docker, Figma, Git, Microsoft Office, MongoDB, MySQL, PostgreSQL, SQLite, Tableau
- **Other:** CI/CD, Command Line Interfaces, Data Preprocessing, Prompt Engineering, SEO, Wireframing

PROJECTS

- **Code Editor Application:** A full-stack web application designed for code editing with real-time collaboration across multiple devices. Ideal for students or teams that need a shared coding environment without an IDE.
 - Built with React, JavaScript, Jest, Node.js, and Firebase.
 - Support for multiple programming languages with a built-in compiler.
 - Enabled real-time document sharing, version control, and secure user access.
- **NBA PER Prediction Model:** A prediction model that can estimate NBA player efficiency ratings (PER) using historical statistics. Designed to assist analysts and fans in understanding player value based on performance metrics.
 - Processed and analyzed 11 seasons of NBA stats using Python.
 - Applied linear regression and feature selection for high-accuracy prediction.
 - Achieved over 95% model accuracy, highlighting impactful performance metrics.
- **Digital Manager:** A Java-based application that can help small businesses store, update, and manage employee records.
 - Used Java Swing to design a user-friendly graphical interface.
 - Implemented add, search, update, and delete logic using array lists and hash maps.
 - Built-in report generator for employee details, money distribution, and division information.