

Hamza Ahmed

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EDUCATION

University of North Carolina at Greensboro

B.S. in Computer Science

GPA: 3.82/4.0

May 2026

Relevant Courses: Software Engineering, Data Science, Big Data and Machine Learning, Concepts of Programming Languages, Fundamental Concepts of Statistics, Advanced Data Structures and Algorithms, Computer Organization and Assembly Language, Ethics in the Computer Age, Elementary Data Structures and Algorithms

TECHNICAL SKILLS

Programming Languages: Python, Java, R, C, C++, HTML, CSS, SAS, JavaScript, Assembly

Software & Tools: Tableau, Power BI, Qlicksense, BigQuery, Spring Boot, Visual Studio, IntelliJ, MySQL, SQL, POSTMAN, NetBeans, Visual Studio Code, GitHub, Git BASH, Jupyter Notebook, XAMPP, Thymeleaf, PyCharm, phpMyAdmin, RStudio, LaTeX, Pandas, Numpy, Microsoft Word, Excel, PowerPoint, Outlook, Docker, Linux/Unix Environments

Certifications: : Microsoft Word Expert, PowerPoint, Excel, CompTIA IT Fundamentals, PCEP – Certified Python Programmer

RELEVANT EXPERIENCE

Data Science Intern – Old Dominion Freight Line

Thomasville, NC

Summer 2025

- Drives moderate to complex data science, machine learning and traditional artificial intelligence working to understand contextual problem analyze and deliver solutions based on business objectives.
- Compiling, cleaning, transforming, analyzing and visualizing large scale data, resolving technical support requests related to hardware, software, and system performance, using analytical skills to identify root causes and recommend solutions.
- Maintain and optimize system performance by participating in the monitoring and remediation of security vulnerabilities.
- Analyze system performance data and ticket trends to uncover insights that drive continuous improvement across IT support services.
- Use tools like Excel and basic scripting (e.g., Python or SQL) to manage and visualize support data and inventory tracking.
- Document system issues, repairs, and asset management records using the Service Desk platform.
- Contribute to knowledge-sharing by documenting best practices and common resolutions for recurring technical issues.

UNCG Department of Computer Science | Computer Science Tutor

Aug 2024 - Present

- Provided personalized tutoring in problem-solving and complex computer science concepts, helped students in code reviews and testing, and improved students' confidence and comprehension.
- Created a collaborative learning environment, encouraging critical thinking and helping students to solve complex problems and explain concepts.

PROJECTS

CRUD MVC APP | Front-end and Backend

Summer 2024

- Developed a CRUD MVC application using JPA/Hibernate, MySQL, and ThymeLeaf, providing detailed setup instructions for installation and execution.
- Successfully implemented task and goal management features, with comprehensive documentation for database configuration and application access.

GitHub: [Link to FINALCRUDAPP](#)

GridSocial | Software Engineering Web-App Project

Summer 2024

- Developed "GridSocial," a calendar-based social media web application for CSC 340 at UNCG, enabling users to coordinate meetings by viewing public calendars and suggesting overlapping availability.
- The application features group management for organizations, automatic calendar updates, and potential social elements to enhance user engagement and routine organization.

GitHub: [Link to GridSocial](#)

Covid Analysis | Data Science Project

Fall 2024

- Led an end-to-end analytical model development project for CSC 405, structured into stages including data understanding, modeling, hypothesis testing, and visualization.
- Gained experience in data mining, munging, wrangling, machine learning, and deep learning while applying statistical analysis to communicate insights effectively through comprehensive presentations and reports.

GitHub: [Link to Data Science Project](#)

Data Science Intern | Business Continuity Project

Summer 2025

- Imaged, configured, and deployed laptops tailored to specific client software requirements, ensuring smooth integration and operational readiness.
- Documented asset configurations and deployment logistics, helping streamline future rollouts and enhance service documentation accuracy.
- Service and troubleshooting hardware to reduce transition latency and increase device reliability.