

Ishaq Ansari

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EDUCATION

Caldwell University – Caldwell, NJ

Expected: May 2025

B.S. in Computer Science

CGPA: 3.99/4.00, **Science GPA: 4.00/4.00**

Relevant Coursework: Data structures and Algorithms, Programming Languages, Artificial Intelligence, Probabilities and Statistics, Discrete Mathematics, Full-Stack Development, Database Systems (SQL, NoSQL).

Awards and Honors: **Presidential Scholarship** (outstanding students), **Novartis Science Scholarship** (awarded to only one student from the university), **Dean's List Scholar** (for more than 3.75 GPA), **Recognition Award** (for exceptional contributions to campus leadership), **ACS Travel Grant** (to only 6 students from North Jersey)

Research Poster Presentations: **First place winner** in William Paterson 17th Undergraduate Research Symposium, **First place winner in all categories** in Caldwell University 6th Research and Creative Arts Day, **Second place winner** in New Jersey Academy of Science 68th Annual Meeting, **Second place winner** in Independent Colleges and Universities of New Jersey Undergraduate Research Symposium

SKILLS

Languages and Frameworks: Python, Java, C++, JavaScript, React, Flask, Node.js, Django

Data Science/AI: TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Regression, Matplotlib, Tableau, PowerBI

Others: AWS, Azure, Google Cloud, Vercel, Docker, Kubernetes, CI/CD pipelines, Software Design, SQL, NoSQL, Bash scripting, Git, GitHub, Competitive programming (LeetCode, HackerRank), NLP, Text Mining

WORK EXPERIENCES

Computational Microscopy Imaging Lab, UF – AI Research Intern

May 2024 - Aug 2024

- * Developed and optimized a CNN-based AI pipeline to automate tissue detection and quantification in histopathology images of cerebral aneurysms, supporting data-driven improvements in the treatment.

Rutgers University – Data Science Intern

May 2023 - July 2023

- * Collaborated with interdisciplinary researchers to process and analyze experimental data using R and image analysis tools such as ImageJ2 and Fiji to extract meaningful patterns and insights in neural circuit research.

PROJECTS

OrganizeMe – Personal Project

- * Designed and developed a full-stack web application using node.js, express.js, HTML, CSS, JavaScript, and a MongoDB-like NoSQL database with full CRUD functionality. Tested application, received positive user feedback from a group 10+ testers, highlighting the app's user-friendly interface and ease of use.

Class Connect – Peer Collaboration Platform (In Progress)

- * Building a unique platform to connect students for real-time discussions and academic collaboration, offering peer support through group chats, assignment Q&A, and resource sharing, addressing a gap in education.

EXTRACURRICULAR

President, Student Government, Caldwell University – Caldwell, NJ

May 2024 – present

- * Lead the Student Government Association, overseeing the planning and execution of campus-wide initiatives, student advocacy, and events (12% growth in participation) while collaborating with administration, faculty, and organizations to address concerns, implement policy changes and foster an inclusive campus community.

Google Developer Group (Sept 2024 - present), **Teaching Assistant** (Aug 2023 - present), **Supplemental Instruction Leader** (Aug 2022 - present), **Peer Tutor** (Aug 2022 - present), **National Society of Leadership and Success** (Aug 2021 - present), **Caldwell CS Club** (Aug 2021 - present).