

Simmi Kumari

Atlanta, GA

Email: simmikumari942@gmail.com | Phone: +1-404-593-7480

LinkedIn: [Simmi Kumari](#) | GitHub: [simmikumari12](#)

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Hiring Manager

Advanced Research Computing Technology and Innovation Core (ARCTIC)

Georgia State University

Atlanta, GA

Dear Hiring Manager,

I am writing to express my interest in the Temporary Cyberinfrastructure Facilitator position at Georgia State University's Advanced Research Computing Technology and Innovation Core (ARCTIC). As a current Computer Science student at Georgia State University, I am eager to contribute to your growing research community by leveraging my skills in machine learning (ML), deep learning (DL), and data science. With a strong academic background, practical experience in research, and a passion for computational workflows, I believe I am well-suited for this position.

My academic journey, currently focused on Computer Science and supported by relevant coursework in computational theory, mathematics, and programming, has provided me with a solid foundation to assist in the technical consulting and research support tasks outlined in the position description. Additionally, I have hands-on experience in applying programming languages like Python, and JavaScript.

During my time as a volunteer at the University AI Research Lab at Georgia State, I collaborated with team members to test AI algorithms and contribute to research projects that aimed to improve students' learning experiences. I worked with web development technologies (HTML, CSS, JavaScript) and also engaged in testing and optimizing AI models. This experience not only sharpened my technical abilities but also enhanced my communication skills, particularly in explaining complex concepts to non-technical audiences—a quality I understand is crucial for the role of Cyberinfrastructure Facilitator.

Additionally, I currently serve as a Student Lab Assistant at the Mathematics Interactive Learning Environment (MILE), where I assist students in understanding mathematical concepts and problem-solving. This experience has honed my ability to communicate effectively, address students' needs, and collaborate with faculty to optimize the learning environment, all of which align with the responsibilities of supporting researchers in optimizing workflows for AI, ML, and data science.

I am particularly drawn to this opportunity because of Georgia State's commitment to broadening access to advanced research computing resources. I am excited about the prospect of working with diverse researchers across various fields to design and deploy custom workflows and provide consulting on utilizing advanced cyberinfrastructure effectively.

Thank you for considering my application. I look forward to the opportunity to discuss how my skills and experiences align with the needs of your team. Please feel free to contact me at simmikumari942@gmail.com or +1-404-593-7480 to arrange an interview.

Sincerely,

Simmi Kumari