[Your Full Name]
[Your University Email]
[Your Phone Number]
[LinkedIn Profile/Personal Website Portfolio]

[Date]

[Professor's Name]
[Department of Mathematics]
[University Name]

Dear Professor [Professor's Last Name],
I am writing to express my strong interest in the Undergraduate Research Assistant position for your project regarding [Specific Project Name or Research Area]. As a [Year, e.g., Junior] Mathematics major with a focus on [Specific Area, e.g., Discrete Math or Analysis], I have followed your work on [Mention a specific paper or topic of theirs] and am eager to contribute to your current research efforts.

My academic background has provided me with a solid foundation in [List 2-3 relevant courses, e.g., Abstract Algebra, Real Analysis, or Topology]. I have maintained a GPA of [GPA] and have developed strong analytical and problem-solving skills. Specifically, I am proficient in [Mention technical skills like LaTeX, MATLAB, Python, R, or Mathematica], which I believe would be an asset to your data modeling and proof-verification tasks.

In previous coursework or projects, I have [Describe a specific academic achievement, such as a difficult proof completed, a competition, or a relevant seminar]. This experience taught me how to approach complex mathematical structures with persistence and rigor. I am particularly interested in your research because [Explain the connection between your interests and their research].

I have attached my CV and transcript for your review. I would welcome the opportunity to discuss how my background and enthusiasm for [Specific Math Topic] could support your research objectives. Thank you for your time and consideration.

Sincerely,

[Your Signature]
[Your Printed Name]