

Nishant Chinnasami

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EDUCATION

University of South Carolina

Columbia, SC

Major: Computer Information Systems, Bachelor of Science

Expected Graduation: Spring 2026

Minor: Business Information Management (built into the degree)

Concentration: Cybersecurity

GPA: 3.200

SKILLS

Programming Languages: Python, java

Libraries and Tools: GitHub, Git, MS Office suite (Word, Excel, PowerPoint)

Language: English, Tamil, Hindi

RESEARCH EXPERIENCE

Tricolor Towers of Hanoi

Collaborated with a mentor to work on a math project called “The Tricolor Towers of Hanoi”. Conducted an in-depth study of the Tricolor Towers of Hanoi problem, an extension of the classic Towers of Hanoi puzzle involving three sets of disks, each of a different color. The research focused on solving the "shifting tower problem," where the objective is to relocate three sets of disks to adjacent towers while adhering to the traditional rules. Developed and proved algorithms to determine the minimum number of moves required to solve the puzzle for various configurations, with a particular emphasis on optimizing the solution beyond existing methods.

Conferences presented:

1)The 19th UNCG RMSC Mathematics and Statistics conference from November 11 to November 13 2024, at Greensboro, North Carolina

2)he 2024 MAA Southeastern Section Meeting from March 14 to March 16 2024, at Knoxville, Tennessee

ADDITIONAL INFORMATION

- Ability to adapt to challenging environments.
- Intermediate achiever in Marathons and swimming
- Worked efficiently with mentors and fellow researchers
- Participated in extracurricular activities, including volunteering for Discover UofSc and other college events.
- Actively engaged in presentation opportunities
- International student experience
- An effective team worker