

Nilabh Anand

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SUMMARY

Undergraduate physics student at Stony Brook University with a developing focus in computational physics, scientific modeling, and quantitative methods in modern physics. Interested in general relativity, cosmology, and gravitational phenomena. With a long-term goal of contributing to research in theoretical and computational physics

EDUCATION

Stony Brook University
B.S. in Physics & Astronomy

Stony Brook, NY | 2028

PROJECTS & ACADEMIC WORK

Independent Experiment: Capacitance and Electric Guitar Tone

- Designed and conducted an experiment investigating how varying capacitance affects frequency response and tonal output of an electric guitar
- Applied circuit analysis, frequency analysis and physical reasoning to interpret results

Exploratory Study: The Standard Model of Particle Physics

- Conducted an unpublished literature-based study to understand fundamental particles, interactions, and structure
- Developed ability to read and synthesize advanced physics material

Falling into Infinity — Personal Blog

- Write reflective essays exploring the process of learning physics, problem-solving, and intellectual growth
- Maintain a personal platform documenting academic development and evolving approach to physics

TECHNICAL SKILLS

Programming: Python, Fortran, C++

Scientific Tools: LaTeX, Numerical Methods, Data Analysis (developing), GitHub

Areas: Computational Physics, Experimental Physics, Circuit Design

Languages: English (Fluent), Mandarin (Fluent), Hindi (Fluent)