

KRISH ETHAN NAIR

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EDUCATION

Virginia Polytechnic Institute and State University (Virginia Tech) — Blacksburg, VA *Aug 2026 – June 2029 (Expected)*
Bachelor of Engineering in Biomedical Engineering | Transfer student

- Transferred after freshman year at Stony Brook University; entering as a rising sophomore

Stony Brook University — Stony Brook, NY *Aug 2025 – May 2026*
Bachelor of Engineering in Biomedical Engineering (freshman year) | GPA: 3.96

- Presidential Scholarship Award recipient; Dean's List
- Relevant Coursework: Intro to Biomedical Engineering, Classical Physics I & II, Molecular Science I, Applied Linear Algebra, Survey of Probability and Statistics

Thomas Jefferson High School for Science and Technology — Alexandria, VA *Aug 2021 – June 2025*
GPA: 3.999 | SAT: 1530 (750 EBRW / 780 Math, 99th percentile) | National Merit Commended Scholar

RESEARCH & CLINICAL EXPERIENCE

TJHSST Biotechnology Lab — Alexandria, VA | Researcher, Author *Sept 2024 – June 2025*

- Designed and executed an independent experiment on algal biofilm ratios, achieving significant nutrient removal from fertilizer runoff
- Applied engineering and biotechnology techniques — CAD, sterile culture, and precision micropipetting — to carry out the experimental design
- Maintained detailed laboratory documentation and co-authored a final research paper and poster

Harvard Student Agencies — Cambridge, MA | Researcher, Author *Nov 2023 – Feb 2024*

- Authored and published a peer-reviewed paper on the neurological effects of genetically modified foods in The International Education and Research Journal (Feb 2024)
- Synthesized three months of primary-source research into findings compliant with academic journal publication standards

Clinical Shadowing — Majmudar Allergy & Elite Cardiology Solutions *Summer 2024*

- Shadowed board-certified specialists in allergy/immunology and cardiac electrophysiology across two private practices
- Observed patient exams, diagnostics, and interventions including implantable cardiac devices and antihistamine therapies

TECHNICAL SKILLS

Lab: Gel Electrophoresis, PCR/qPCR, Sterile Cell Culture, Precision Micropipetting, DNA/RNA Extraction, Microscopy, Flow Cytometry, Spectrophotometry, Assay Development

Data & Software: R (Multiple-Linear Regression, Phyloseq), MATLAB, Excel

Languages: Fluent in English; Working Proficiency in Hindi and Urdu

PROFESSIONAL EXPERIENCE

Lumi Education — Virtual Tutor *June 2026 – Present*

- Deliver individualized math and science instruction to middle and high school students, adapting lesson plans to each student's needs

GO Tutor Corps — Virtual Tutor, Newark, NJ *Sept 2025 – May 2026*

- Carried out lesson plans supporting elementary and middle school students in topics covered in the classroom

LEADERSHIP

Stony Brook Hearts in Action — Founder & Treasurer, Stony Brook, NY *Nov 2025 – May 2026*

- Founded the organization and established its financial systems from the ground up
- Drafted and finalized budgets for club events and general operations