

Synthia Mani

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EDUCATION

Stony Brook University

Stony Brook, NY

Bachelor of Science in Biology, *Specialization in Neuroscience*

Expected May 2027

Relevant Coursework: Molecular Science I, Molecular Science Laboratory I, Molecular Science II, Introductory Synthetic and Spectroscopic Laboratory Techniques, Readings in Neurobiology and Physiology, Organisms to Ecosystems, Molecular and Cellular Biology, Calculus II, Survey of Probability and Statistics

Honors/Scholarships/Awards: Honors College, Presidential Scholarship, Dean's List

GPA: 4.0

Academy for Mathematics, Science, and Engineering

Rockaway, NJ

High School Diploma

September 2020 – June 2024

Relevant Coursework: AP Biology, AP Chemistry, AP Calculus AB, AP Psychology, AP CSA, AP Physics 1, AP Statistics

Honors/Scholarships/Awards: AP Scholar with Distinction, National Honor Society, National Science Honor Society, President's

Award for Educational Excellence

GPA: 98.464

PROFESSIONAL EXPERIENCE

Cognitive Health and Neuroscience Laboratory

Stony Brook, NY

Research Assistant

January 2025 – Present

- Incoming undergraduate research assistant at the CHEN Lab
- Pursuing study of Alzheimer's biogenetic and behavioral markers

Neuroscience of Emotion, Cognition & Psychopathology Laboratory

Stony Brook, NY

Clinical Research Assistant

January 2025 – Present

- Incoming undergraduate research assistant at the NECPL Lab

Comprehensive Orthopedic Physical Therapy

Somerset, NJ

Physical Therapy Intern/Aide

December 2024 – January 2025

- Shadowed Physical and Occupational Therapists through evaluations and rehabilitation processes
- Assisted patients through recovery using physical/occupational therapy techniques and exercises
- Responsible for direct patient care and daily tasks

Vera's Music School

Warren, NJ

Teacher

March 2020 – December 2024

- Prepared students for Associated Board of Royal Schools of Music technical and theory exams
- Developed innovative techniques and challenges to support retainment of knowledge
- Volunteer tutor outside of designated lessons

Front-Desk Assistant

- Organized and managed schedules, records and payments
- Responsible for recruitment and communications

New Jersey Institute of Technology

Newark, NJ

Research and Development Intern

September 2023 – June 2024

- Designed and developed a nano-technology integrated robot intended to explore pipe/sewage networks
- Implemented motorized techniques and functions within robotic systems
- Collaborated with undergraduate researchers under the supervision of Professor Petras Swissler

LEADERSHIP EXPERIENCE

Morris Hills Girls Varsity Tennis

Rockaway, NJ

Captain

September 2021 – December 2023

Awards: Most Valuable Player (2021-2022: 2 seasons), NJAC 1st Team All Conference (2021-2023: 3 seasons); Hall of Fame

Awardee, State Doubles Championship Player, Captain (2022-2023: 2 seasons), All-Academic Athlete (2021-2023: 3 seasons),

Outstanding Senior Athlete

Morris Hills Student Government

Rockaway, NJ

Vice President

September 2021 – December 2023

- Coordinated with administration to direct, oversee, and organize school dances, field days, pep rallies, etc.
- Choreographed Senior Class Commencement Pageant

Junior States of America*Vice President*

- Increased club engagement through social media, recruitment events, and fundraisers
- Responsible for meeting layouts, scheduling, and supervision of executive board

Rockaway, NJ*September 2022 – June 2024***VOLUNTEERING**

Community Friendship Volunteer Program at North Country**Stony Brook, NJ**

- Weekly calls to improve senior citizens' quality of life

Community Food Bank of New Jersey**Hillside, NJ**

- Responsible for sorting pantry boxes, food items, and packing shipments

Camp Sunshine**Ridgewood, NJ**

- Living and activity assistant at Camp Sunshine, a center for individual with disabilities

National MS Society**Roxbury, NJ**

- Event photographer for National Multiple Sclerosis Walkathon

VT SEVA**Parsippany, NJ**

- Singing for a Cause: Fundraised for the underprivileged and children with disabilities
- Organized cancer awareness walkathons and presentations

SKILLS

Computer: Google Workspace, Microsoft Office (PowerPoint, Excel, Word), Apple applications, Canva, Zoom, Java, OnShape**Language:** Proficient in English, Native Proficiency in Tamil**Certifications:** Associated Board of the Royal Schools of Music Degree (Grade 8 Completion), CPR Certification (American Heart Association)**INTERESTS**

Activities: Stony Brook University Asha, Associated Board of the Royal Schools of Music, Mahathi's Academy of Music and Dance