

EDUCATION

- **Stony Brook University, Stony Brook, NY** *Expected Graduation: May 2027*
Bachelor of Science in Computer Science
Honors: University Scholars
Awards: Awarded YouAreWelcomeHere Scholarship worth \$ 53,600 for 4 years.
- **Study Hall High School, Lucknow, India** *Graduated: 2023*
Subjects: Physics, Chemistry, Math, Computer Science, English
Final Grade Average: 94.3%

SKILLS

- Programming Languages: Python, JavaScript, CSS, HTML, Jinja, Flask, C, Markdown, AOSP development, SQL.
- Framework/Tools: Visual Studio Code, Docker, Git, Linux, Heroku, Vercel, Bootstrap Framework

PROFESSIONAL WORK EXPERIENCES

Omniscience Corporation

Palo Alto, California (Remote)

Web Developer Intern

April 2023 – June 2023

- Created a website for a new life insurance product using HTML, CSS, JavaScript.
- Built a database using SQL to store insurance and user data entered on the web application.
- Assembled a web application for users to submit their insurance application data using Flask.
- Used Bootstrap HTML Framework to make the web application more user friendly.

Ubisoft Montreuil User Research Lab Team

Montreuil, France (Remote)

Software Tester

July 2022 – September 2022

- Interacted with and worked together with 350 other users.
- Found and reported bugs in an unreleased software.
- Helped the developers to fix the bug by creating system logs.

PROJECTS

Relinked

July 2022 – August 2022

- Built a web application that acts like a universal database to save and organize essential webpage links.
- The user has the option to change the display picture of the website and group links together.
- Built using [Python](#), [Jinja2](#), [HTML](#), [CSS](#), [JavaScript](#), [SQLite3](#), [Flask](#).
- Uploaded the code and made it open source on GitHub.
- Added a YouTube Tutorial video to showcase the working of my web application.

Centerium

- Developed an open-source (GitHub) comprehensive database system for tracking Examination Centers across India, aimed at enhancing the efficiency and integrity of competitive examinations.
- Implemented features including streamlined candidate registration, real-time exam center tracking, and video recording to prevent cheating.
- Managed candidate information such as name, roll number, and date of birth in the Database. The Live Exam Center Tracking Database stored candidate answers and exam video recordings.
- Utilized [Python](#), [MySQL](#), [VS Code](#), [Canva](#), [Google Docs](#), and [Microsoft Word](#) for system development, coding, database management, UI design, collaboration, and documentation.

Sobel Operator Edge Detector

June 2022

- Built a [Python](#) algorithm to detect edges in an image.
- Used the Sobel operator, sometimes called the Sobel–Feldman operator, to build the algorithm.
- Implemented the program using various data analysis libraries such as Imageio, PIL, NumPy.
- Uploaded the code and made it open source on GitHub.

CO CURRICULAR ACTIVITIES

Harvard CS50 Introduction to Computer Science

July 2022 – August 2022

- Learned the fundamentals of Computer Science & concepts of AI and cyber-security.
- Mastered C, Python, SQL, HTML, CSS, Jinja, GitHub.
- Built several Python and C programs like object edge detectors, credit card verifiers, etc.

Astrophysics: The Violent Universe from Australian National University

September 2021 – November 2021

- Learned the fundamentals of Astrophysics, Black Holes, Novae, Supernova, Binary stars, etc.
- Learned to carry out research work in the field of STEM.
- Built a Python program to calculate the radius of binary stars.

Breakthrough Junior Challenge

June 2021

- Explained the working of The Alcubierre Warp Drive in a 3-minute video. The video can be found here <https://youtu.be/7bJDtmQ2zNw>.
- Generated a computer model to explain the effects of a warp drive on space-time around the spaceship.

Annual Model United Nations

August 2018

- Represented Israel in the MUN in the UN Red Summit committee.
- Discussed the possibility of sending humans to Mars and possible division of Martian territory for each nation.
- Debated different policies about the possible division of land on Mars for each participating country.
- Created geo-political alliances with the US and India to further our common interests and goals.

VOLUNTEER SERVICE

Long Island State Veterans Home - Stony Brook's Community Service Day

August 2023

- Engaged as a volunteer and offered companionship to US Veterans through conversations and attentive listening, brightening their day with shared stories of their experiences.
- Contributed to the decoration by strategically placing US Flags around the facility and adding patriotic symbols to the pavement. These creative efforts were met with enthusiasm and appreciation from the veterans.

LEADERSHIP:

Vice House Captain

April 2021 – March 2022

- Became the vice house captain for the Fire Flame house in 2021.
- Part of the school's student cabinet body.
- Managed, hosted and was a leading participant in many intra and inter school competitions and events.
- Coached junior class teams in volleyball and basketball.

High School's Technical Support Team

March 2020 – March 2022

- Edited school event videos and audios and designed flyers, invitations, and certificates for school events.
- Hosted and managed various online/offline events.
- Helped professors and teachers with their computer related problems.

CLUBS AND EXTRACURRICULARS:

Stony Brook University Computing Society

Stony Brook University Robotics Team

Stony Brook University AI Club

Stony Brook University Astronomy Club

Stony Brook University Volleyball Club

Study Hall High School Volleyball Club

Karate Training (Black Belt Certified)

OnePlus Photography Contest (Gold Medal)