Sandeep Sawhney

Education

BSE Computer Engineering, University of Michigan, Ann Arbor

Aug 2025 — May 2029

Fall 2025 Relevant Courses: Math 215, Engr 101; Winter 2026 Relevant Courses: EECS 203, EECS 280, Engr 100 (420)

High School Diploma, Herricks High School, New York

Sept 2021 — Jun 2025

Honors & Distinction in Math & Science; Honors Science Research Track; Math Research

Research & Work Experience

Undegraduate Researcher at University of Michigan

Jan 2026

- Assisting in the development of an AI model to help create better efficiencies in iteration, design, and prototyping of embedded systems.
- I am working under Dr. Robert Dick and Mr. Haotian Qiao at the Michigan Integrated Circuits Lab (MICL)

Independent Researcher at New York University (Dept. of Chem)

Jun 2023 — Aug 2025

- Pitched and conducted two independent projects at the Structural DNA Nanotechnology Laboratory under Dr. Yoel Ohayon and Dr. Simon Vecchioni
- Developed a novel gallium-mediated DNA crystal with potential applications in non-invasive cancer therapy
- Utilized Brookhaven National Laboratory Condensed Matter Physics department's X-ray source for data collection and analysis

Notable Clubs & Activities

PR Manager & Embedded Systems Engineer at Michigan Autonomous Aerial Vehicles (MAAV)

Sept 2025

Design of custom circuit boards for autonomous drones; Integration and assembly of precise electrical components for large aerial drones

Team Candidate at Leukemia Lymphoma Society (LLS) Student Visionaries

Jun 2024 — Feb 2025

Team leader for the 2025 Student Visionaries of the Year fundraising competition; Supported funding for blood cancer research; raised over $30,000 and $19,500 coming from personal fundraiser

President & Engineering Director at Herricks Rube Goldberg Machine Design Team

Sept 2023 — Jun 2025

Lead a team of over 60 members to design a working Rube Goldberg Machine; Competed in the 2024 & 2025 New York Delegation Rube Goldberg Machine Contest; Qualified for the National Contest in 2024

Details

37 Cherrywood Drive
New Hyde Park, NY 11040
United States of America
5166334615
ssawhney@umich.edu

Links

LinkedIn
Personal/Portfolio Website
HS Research Dissertation
Regeneron STS (2025)

Skills

Python

C++

NEXT.js

Python ML

Languages

English

Spanish

Notable Awards

- Regeneron Science Talent Search 2025 Finalist (top 40/~2,500)

- Regeneron ISEF Finalist 2025 (top HS Researchers in the World)

- LLS SVOY 2025 Candidate & Research Mission Pillar Award Winner (2025)

- 1st place in the Rube Goldberg Machine Contest & National Qualifier (2024)