

SAMBRIDHI DEO

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EDUCATION

Caldwell University **Caldwell, NJ**

B.S. Computer science and Mathematics, Honors program (HP)

Expected date of graduation: May 2026

- **GPA:** 3.81
- **Relevant Courses:** Computer programming I, (HP) College writing, Calculus I, (HP) General psychology, General Physics I, General Physics I lab, (HP) First year student seminar.

PROFESSIONAL EXPERIENCE

Initiatives for girls in Physics and Tech

www.igptech.org

Founder and President

August 2020 – present

- **Hosted a talk show with 2018 Nobel laureate in Physics Dr. Donna Strickland and NASA's atmospheric science software developer Ms. Sanjana Paul.**
- Managing and mentoring 100+ students to draft high-level review papers.
- Organized summer school and winter school programs for marginalized group of students free of cost.

Caldwell University

www.caldwell.edu

Research Assistant for Prof K. McGuiness

September 2022 – present

- Assist to predict binding of the different receptor isoforms with different drug ligands using computation and ezCADD.
- Maintaining and tracking report of all research findings and performing analysis

Researcher, Cog AI research lab

September 2022-present

- Conducting a Research to develop models capable of detecting refractive errors in eyes

Student Worker, Academic Affairs Department

September 2022 – present

- Sort and manage the important datasheets like work contracts, course addition details.

Neodocto Inc.

www.neodocto.com

Artificial intelligence intern

December 2021 – March 2022

- Identified and cultivated new marketing strategy after completion of digital marketing expert program.
- Worked with responsibility to make high level interaction with Chatbots.

PROJECTS & OUTSIDE EXPERIENCE

Fourth brain, Machine learning engineering program

Remote

Research participant

October 2022 – Present

- Selected from 500+ applicants as a research participant to attend sessions and to develop and deploy ML models.
- Working on capstone project to make plugin model for Google meet to detect American sign language and convert it to voice
- Responsible for filling weekly objectives such as 2 weekly assignments, 2 session's attendant, and 2 networking meetings.

The knowledge society, TKS innovate program

Remote

Innovator

September 2022 – Present

- Meet weekly targets such as: completion of exploration module, project ideation, and 5 networking meetings with cohort members
- Working to integrate AI with Block chain for healthcare project.
- Submitted a project in collaboration with other cohort members in NASA space app challenge.

Carnegie Mellon University Qatar, Code in Alice summer school

Remote

Participant

July 2022

- Created an interactive game using Alice.

ACTIVITIES & LEADERSHIP

Caldwell University's Computer science club, NJ

Publicist / Head of Women in computer Science branch *October 2022 – Present*

SheTek community, NJ

Member *October 2022 – Present*

SKILLS & INTERESTS

Skills: Python, HTML, CSS, Tensor flow, Pytorch, Databricks, PySharp, Anaconda, Pymol, Git and Github, Google workspace, Filmora, Microsoft Office, Figma, Canva, Wordpress.

Interests: Designing, Web Development, Research, Listening to AI podcasts.