

Maddhav Suneja

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EDUCATION

New York University (Tandon School of Engineering), New York, NY May 2027

Bachelor of Science in Computer Science

Relevant Coursework: Introduction to programming and problem solving, Data Structures and Algorithms, Object-Oriented Programming, Data Analytics and Visualization, Data Analysis, Calculus I and II, Introduction to Engineering and Design

K.R Mangalam World School Gk-2, New Delhi, ND

2018 - 2022

CBSE Board Diploma

- SAT Superscore - 1510; Overall GPA – 3.84

TECHNICAL SKILLS

- Coding Languages: Python, C++, SQL, HTML
- Libraries: Flask, TensorFlow, Matplotlib, OpenCV, Pandas
- Other Tools: Excel, Tableau, Fusion 360, Blender, Figma

EXPERIENCES

DSSD (Data Science for Sustainable Development) | Python, Flask, Pandas Sep 2024 – Present

- Partnering up with DSSD to develop a Minimum Viable Product (MVP) of the central repository for Nonviolent Peaceforce International (NP), aiming to enhance their data management and accessibility.
- Collaborating with a team of 6-people to program and design the repository, ensuring it enables crowd-source techniques and mobile friendliness.
- Planning to present the project at the NYU project Showcase, thereby establishing DSSD club at NYU.

Lockabox | TensorFlow, Python, Raspberry Pi, Fusion 360, Laser Cutter Feb 2024 – May 2024

- Developed a text-detection software to detect the text from a phone screen using a raspberry pi camera.
- Collaborated in a 3-person team to integrate raspberry pi, pi-camera, solenoid locking mechanism, beeper and lcd touch screen into a lockbox.
- Presented to a class of 30 showing how the lockbox will act as a physical barrier from phones but also considering emergencies through text-detection technology.

Finlitify | Python, Flask, Wolfram LongAnswers API Dec 2023

- Assisted with the integration of LongAnswers API into the backend framework to develop a text-response based learning experience.
- Collaborated within a team of 3 people to create a user-centered financial literacy platform.
- Won Best WolframAlpha Hack Award at HackNYU 2023 out of 100+ participants.

SSDC (Space Settlement Design Competition) | Blender, Autodesk, Excel, Tableau Aug 2020 - Dec 2021

- Headed the structures department to develop engineering proposals of various transit and planetary space settlements.
- Created 3D designs of multiple structures and handled interdepartmental communication within the team of 10.
- Secured 2nd position in the Indian Round, 1st in the Asian Round and 2nd in the International Round.

COMMUNITY SERVICE

Hamari Pehchan NGO internship May 2022 – June 2022

- Led 'Sukhad' (Menstrual Hygiene) project through different social media platforms and successfully raised \$820/- by doing multiple rounds of online fundraising.
- Wrote article drafts for the campaign that ultimately, got printed in the 'Hindustan Times'.

Abhinandan Education and Welfare Society

May 2020 – Nov 2021

- Taught English to underprivileged kids (aged 10 - 15) online.
- Recognized by the neighborhood society with a service award.