

## Skills

**Languages:** C, C++, Java, HTML, CSS, JavaScript, SQL, Python  
**Design Tools:** Adobe Photoshop, Adobe Illustrator, Adobe XD, Blender 3.2.1  
**Soft Skills:** Leadership, Event Management, Problem Solving, Creative Thinking

## Projects

### Comparative Analysis on Neural Networks based on their performance in Pneumonia Detection

MAY 2022 - JULY 2022, REMOTE  
The problem statement was analyzed using three models: the Sequential Model with TF, ResNet50, and InceptionV3. Published in IEEE Xplore, 2023 13th International Conference on Cloud Computing, Data Science & Engineering (Confluence). DOI: [10.1109/Confluence56041.2023.10048884](https://doi.org/10.1109/Confluence56041.2023.10048884)

### Image Colorization using Transfer Learning (VGG-16)

JULY 2021 - AUGUST 2021, REMOTE  
The approach towards solving this problem is by the mechanism of 'Transfer Learning' using Autoencoders. VGG16Net pretrained model was used for transfer learning.

## Experience

### CodeRush Hackathon 2023 / Runner-Up

- MARCH 2023, OFFLINE
- Problem Statement:** Providing one stop solution during medical emergencies to the general public, and facilitating robust supply chain management among hospitals.
  - Product:** [AtCare Application](#) (Ideation+Prototyping Stage)
  - Contributions:** Developed concepts and capabilities the app should incorporate. Rapid prototyping in under 12 hours.

### Smart India Hackathon 2022

- JUNE 2022 - AUGUST 2022, REMOTE
- Problem Statement:** Extraction of Data including voice and images from various social media platforms in the time of Disaster(GS900)
  - Product:** [RescueThru Application](#) (Prototype Stage)
  - Contributions:** Developed concepts and capabilities the app should incorporate. Displaying each module of the app using programmes like Adobe XD and Figma.

## Education

### Amity University, Noida Campus / Bachelor of Technology - Computer Science Engineering

OCTOBER 2020 - PRESENT  
**CGPA:** 7.85; **SGPA:** 8.00  
**Courses Taken:** Data Structures, Algorithm Design and Analysis, Operating Systems, Networking Systems, Database Management Systems, Object Oriented Programming, Digital Electronics and Computer Organization, Compiler Design

### Delhi Public School, Dwarka / High School Graduation Degree

APRIL 2006 - APRIL 2020  
**Grade:** 92%

## Certifications & Achievements

- Matlab Onramp issued by **MathWorks**
- CCNA : Introduction to Networks issued by **Cisco**
- 4-star(Silver Badge) in C and C++ on HackerRank.
- Solved 130+ questions on LeetCode.
- Best Artist of the Year (Batch 2019-2020) DPS, Dwarka