



## Aditya Sharma

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🐙 github.com/adi-gga

### Profile

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A hard working and result oriented Computer Science engineer. Seeking opportunities to learn new things and motivated to constantly develop my skills and grow professionally.

### Education

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GD Goenka University, Gurugram- Btech CSE- 7.5 CGPA (2017- present)

Ann Mary School, Dehradun – Class XII, ISC Board – 67% with PCMC (2017)

Ann Mary School, Dehradun – Class X, ISC Board – 89% with PCMC (2015)

### Professional Experience

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#### Oil and Natural Gas Corporation Ltd. (Jan '21)

*Full Stack Development (Intern)*

Developed a Task Manager System which keeps track of various tasks of different users and monitors their progress. Users can create, delete or modify the tasks as per their need.

Tech Stack: Laravel, JavaScript, PHP

#### Ecom Express Pvt Ltd. (Jun '20)

*Data Science (Intern)*

Parcel Volume Estimation along with Color Detection and Label Reader. This module was designed to automate and simplify of all steps involved in processing a package before shipping.

Tech Stack: Python- OpenCV, Pytessearct, Numpy, Django

#### AWS Cloud Architecting (May '20)

*Cloud (Intern)*

Learnt about the various fundamentals of building an IT infrastructure on the AWS platform. Also learnt about the best practices and design patterns for architecting optimal IT solutions on AWS, and build a variety of infrastructures in guided, hands-on activities.

Tech Stack: Amazon Web Services

### Certifications

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- Introduction to Computer Vision with Watson & OpenCV (offered by IBM) - Coursera
- Introduction to Data Science in Python (offered by University of Michigan) - Coursera

## Projects

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### AirDrums

*Python (OpenCV, Mediapipe, Pygame and Tkinter)*

Allows stimulation of a real drum set in AR by hand movement in a playing gesture as one would with real drums, however without a drumset. The application uses a webcam to track motion and subsequently play sounds of the different components of a drum set accordingly.

### Automatic Image Captioning Module

*Python( Tensorflow, Numpy)*

Developed a model which gives descriptive captions to images that are passed to it, which can best describe the subjects present or the actions happening in the image. The model makes use of ANN and NLP.

### Descriptive Answer Evaluation System

*Python( Numpy, Pandas, sqlite3)*

Developed a model which can evaluate descriptive type (subjective) answers provided to it, based on a sample correct answer. Made using approaches like LSA, Tf-idf, GLSA and neural networks to evaluate the answers given by the students based on the model answers.

## Skills

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### Programming languages

*Python, C, Java*

### Interests

*Computer Vision, Data Science, AI, NLP, Data Structures and Algorithm*

## Achievements

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### CodeChef

3 star competitive coder at Code Chef

### Smart India Hackathon

Participated in the national SIH'20 with project titled- "Student Grievance Redressal System"

### Science Olympiad Foundation

2nd position at State level of Science Olympiad Foundation's International English Olympiad

### Fastest Deoder Competetion

3rd position in GDGU's Fastest Decoder Competetion

### Co-founder & President

*Saptak Music Society, GDGU*

### Core Committee Member

*Board of Student Activities, GDGU*

### Music

Senior diploma in Hindustani Classical Music affiliated to Prayag Sangeet Samiti, Prayagraj

### Sports

Accomplished Dwitiyik level Yogasana course affiliated to R. Iyengar Memorial Yoga Institute

## Interests

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### Music

*Classical Singer, Guitarist*

### Poetry & Reading

*Poetry Enthusiast*

### Coding

*Competitive Coding*

## Core Competencies

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Inventive

Collaborative

Verbal Communication

Perseverant