

# Aditya Kumar

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## EDUCATION

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### Indian Institute of Information Technology Allahabad, Prayagraj

July 2018 - Present

Bachelor in Technology

Department of Information Technology

CGPI: 8.31

### Dayawati Modi Public School, Modinagar

2018

CBSE Board, Class XII

Percentage: 86.6

### Dayawati Modi Public School, Modinagar

2016

CBSE Board, Class X

CGPA: 10.0

## ACADEMIC PROJECTS

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### Reduction of Training Dataset

This project developed in 6th Semester as Mini Project. We used hybrid SOM-KMeans clustering to reduce samples. At first, we reduce the outliers via the SOM Clustering, then we further reduced the sample by using homogeneous K-Means clustering. We had implemented on four datasets and achieved an average of 90% reduction.

### Dimensionality Reduction in HSI

This project developed in 5th Semester as Mini Project. We used genetic algorithm to reduce the dimensions and further classified by SVM. We tested the algorithm on aviris and cloudless hyperion datasets, having accuracy of 73% and 92% respectively.

### Dijkstra Visualization

This project was developed in 3rd Semester in OOM Course. Developed an interface where the user can add vertex and draw edges with the help of mouse among the vertex making a weighted graph. Then the interface will visualize the shortest path between the pair of vertices by making the path coloured and an animated shape to move along the path.

## TECHNICAL STRENGTHS

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### Languages

C, C++, Java, Python

### Technologies and Frameworks & Tools

JavaFx

### Communication

Hindi, English

## RELEVANT COURSES

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Object Oriented Methodology

Database Management System

Operating Systems

Data Structures and Algorithms

Machine Learning and Artificial Intelligence

Block-chain

## PERSONAL INTERESTS

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Anime, Manga, Light Novels

Child Care

Travelling