

# AMIT KUMAR

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## PROJECTS

### A\* Path Visualizer

October 2019

IIITA

- A user can select any block on the grid as a source, destination or wall and then start the visualizer .
- Used Pygame Library to implement the GUI .

### Coefficient of Restitution Analysis

Aug 2019 - Nov 2019

IIITA

- Simulation of a ball falling under gravity in space with custom value of coefficient of restitution(e) and height(h) of the ball.
- User can provide custom values for coefficient of restitution(e) and height.
- Technologies Used: JavaFX

### Online Proctoring System

Jan 2020-May 2020

IIITA

- Video based Proctoring System for Online Examination .
- Responsible for implenting the Backend and the Frontend of the website.
- Technologies used were HTML, CSS, Bootstrap, Django, Ajax, Python.

## ACHIEVEMENTS

- Ranked 236 in hackerearth January Long Challenge
- Rated 1792 on **Leetcode**
- Hackerrank Problem Solving Certificate
- Secured 99 percentile in JEE Mains 2018 .

## TECHNICAL SKILLS

### Relevant Coursework

Data Structures

Operating System

Design and Analysis of Algorithms

Object-Oriented Methodologies

Database Management System

### Programming Languages

C

C++

Java

Python

### Familiar Technologies

HTML

CSS

MySQL

Django

## EDUCATION

### B.Tech (Information Technology)

Indian Institute of Information Technology, Allahabad

2018 - 2022

Prayagraj, India

8.51 CGPA till 6th Semester

### 12th (C.B.S.E)

Gyan Jyoti Residential Public School, Patna

2018

Patna, India

Scored 90.8% in CBSE Examination

### 10th (C.B.S.E)

St. Karen's High School, Patna

2016

Patna, India

Scored 10 CGPA in CBSE Examination

## EXTRACURRICULAR

- Volunteer at AMS, Photography Society of IIITA.
- Volunteer at Prayaas, NGO Working for Upliftment of students of villages nearby IIITA.