

# Archit Bansal

Pre-Final Year (B. Tech) | Mechanical Engineering | IIT, Jodhpur  
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## EDUCATION

### IIT, JODHPUR

#### B.TECH IN MECHANICAL ENGINEERING

Expected 2022 | Jodhpur, India

Cum. GPA: 8.67

### S.D VIDYA MANDIR (SR. WING)

#### CBSE- SENIOR SECONDARY

May 2017 | Panipat, Haryana, India

Percentage: 90.8%

### S.D. VIDYA MANDIR (SR. WING)

#### CBSE- SECONDARY

May 2015 | Panipat, Haryana, India

Cum. GPA: 10

## LINKS

Interview Bit: archit-bansal -b18me014

LinkedIn: archit bansal

## COURSEWORK

### UNDERGRADUATE

Introduction to Computer Programming

Linear Algebra and Calculus

Probability and Statistics & Random

Processes Complex Analysis & Differential Equations

### SELF TAUGHT

Data Structures & Algorithms

Object Oriented Analysis

## SKILLS

### PROGRAMMING

Experienced

- C++

Familiar

- Python

- C

- Node.js

- MATLAB

## PROJECTS

### Vehicle Detection And Counting | Using OpenCV

- Track cars or any other vehicle in videos
- Using HAAR Cascade classifier for vehicle detection.
- Using Background subtraction, dilation and image thresholding

### Object Tracking & Motion Analysis | Self Project

- Track Moving object in videos
- Using Optical flow in openCV
- Using CAMshift and Meanshift for object tracking

### Online Shopping Application | Self project

- Developed an online shopping application using Nodejs where registered users can select from a variety of products.
- Only admin can create new products and decide their price/specifications and delete existing products.

## ACHIEVEMENTS

- Secure 1<sup>st</sup> rank in department (3<sup>rd</sup> semester)
- Ranked among top 1% of 1.5 million applicants of JEE-2018.
- Scored All India Rank-7049 in JEE-Advanced 2018.
- Part of IITJ Volleyball team at Inter-IIT Sports Meet 2018 and 2019 held at IIT Guwahati and IIT Bhubaneswar respectively.

## POSITION OF RESPONSIBILITIES

### STUDENT GUIDE | Student Counselling Service Team |

#### IIT Jodhpur

- Managed the freshman registration process of batch 2023 in July - August (2019)
- Student guide of 8 freshman student and guide them in their beginning of IITJ life.
- Work in a team of around 50 members.

### ASSISTANT HEAD| Pronite Department | IGNUS 2020

- Managed the pronite area and handled crowd of around 3000+ people
- Handled all the stars visiting IIT Jodhpur

### MEMBER | Career Development Cell | IIT Jodhpur

- Helped in recruitment process of companies like Directi, Microsoft, Goldman Sachs, Sapient, Morgan Stanley, Gojek etc .