

# Sahil Dhull

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## EDUCATION

### IIT KANPUR

#### BTECH IN COMPUTER SCIENCE

2016-2020(Expected)

CPI: 8.5/10.0

### ABHINAV PUBLIC SCHOOL

New Delhi | XII | 2016

Percentage: 97.4

### DAV PUBLIC SCHOOL

Kurukshetra | X | 2014

CGPA: 10.0/10.0

## COURSEWORK

Data Structures and Algorithm\*

Probability and Statistics\*

Computing in C

Computer Organization\*

Computing Laboratory-I\*

Logic in Computer Science

Discrete Mathematics

Abstract Algebra

Introduction to Electronics

Introduction to Logic

Calculus

Linear Algebra and ODE

\*- ongoing

## SKILLS

### PROGRAMMING

C • C++

Familiar:

Matlab • Python • PHP • HTML •  $\text{\LaTeX}$

Git • Bash

### SOFTWARE

ANSYS (Structural) • AutoCAD Fusion

Solidworks • Autodesk Inventor

### OTHER KNOWLEDGE

Internet Technologies (TCP/IP, DNS, FTP)

Cyber Attacks (DDoS, Buffer Overflow)

Cryptography

## ACHIEVEMENTS

2016 AIR 230

JEE Advanced, among 2 lakh candidates

2016 AIR 27

JEE Mains, among 15 lakh candidates

2016 Qualified

NSEP (National Standard Exam in Physics)

2016 Qualified

NSEA (National Standard Exam in Astronomy)

2014 AIR 46

KVPY, among 40 thousand candidates

2013 Participated

North-Indian Science Fair, National Science Center

2013 Participated

CBSE Regional Exhibition

2012 Qualified

NTSE (National Talent Search Examination)

2010 1<sup>st</sup> in State

Essay Writing Competition by Govt. of Haryana

## PROJECTS

### SAE IIT KANPUR | TEAM MEMBER

January 2017-February 2018

- Secured 15th position among 71 teams at Formula Bharat 2018
- Designing and fabricating a Formula race car (F-18) for the competition-Formula Bharat, a national collegiate design challenge
- Part of Powertrain Subsystem (Engine + Drivetrain)
- Designed the sprocket for F-18 vehicle on Solidworks
- Simulated and optimized the sprocket design on ANSYS for weight minimization

### FORMULA ONE CAR | TA201A

Under Prof. Shobhit Omar

- Developed a mechanical model of Formula One Car using manufacturing processes like brazing, welding, sheet metal forming and casting
- Fabricated Wheels through casting, chassis through welding of steel rods and wings using sheet metal forming.

### CUP COUNTER | TA202A

Under Prof. J. Ramkumar (ongoing)

- Developing a mechanical model of machine for receiving cups and counting them automatically.

## POSITION OF RESPONSIBILITY

### MARKETING EXECUTIVE | SAE IIT KANPUR

- Functioned as marketing executive for the motor-sports club
- Prepared a database of possible investors and contacted various firms through mail and phone

## EXTRA-CURRICULAR ACTIVITIES

- Participated in Microsoft Code.Fun.Do 2017
- Secured 3rd position in Robotricks, Takneek'16 (Inter-hall Technical Competition): Built a robot to perform simple tasks like lifting blocks and detecting coloured strips
- Took part in Galaxy(Inter-hall Cultural Event)-2017 in Dance
- Participation at State Level Swimming Competition in Haryana Category- Under 14 boys
- District Level Swimming Competition:  
200 metre Free style – Gold medal • 100 metre Free style – Silver medal • 50 metre Back stroke – Bronze medal