

# Ajay Kumar

Male

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## ACADEMIC QUALIFICATIONS

Year	Degree	Institute	CGPA / Percentage
2021	B. Tech (Mechanical engineering)	Lovely Professional University, Phagwara	6.5/10
2017	XII(CBSE)	C.LV.P SVM Inter college, Pilibhit	80.4 %
2015	X(CBSE)	C.LV.P SVM Inter college, Pilibhit	84%

## INTERSHIPS/PROJECTS

*North Eastern Indian Railway Izatnagar Bararielly*

*June 2019-July 2019*

- **Air brake in A.C coaches:** Undergone 1 month of Industrial Training at Mechanical workshop. The main aim of the project was to learn about various parts of Air brake system and find out common problems faced on braking system. Also learnt about various parts of Train Engine and Disassembling and assembling part of Engine under the guidance of senior section engineer Raja Ram Diwakar.

### PROJECTS-

- **Go-Kart:** In this Project a four-wheel racing cart running on IC-Engine for International Go-Cart Competition (IGC) Competition was developed. The Project was done under the guidance of SRPC. The aim of this project was to get a better knowledge about the Designing, Fabrication and Manufacturing processes of go-kart and to be able to make one. Worked in designing department using Solidworks and Ansys.
- **Electric Kart:** In this Project, the team developed a four wheel racing car running on Electric Motor for National Electric Kart Championship (NEKC).The aim of Project was to be able to develop a vehicle running on Electric Motor according to all the parameters given in NEKC Rule book and to gain experience of various Designing and Manufacturing Processes. Worked in designing department using Solid works and Ansys.
- **Water Rocket Championship:** Participated in Water Rocket Championship 2k18 with 3 members, organized by SRPC-LPU. Learnt about basic principle of rocket propulsion, the reaction force and the effect of density on reaction force.

## TECHNICAL ceSKILLS

- Design Software's
- Creo
- Solid works
- ZWCAD
- Fusion 360
- Ansys

## POSITIONS OF RESPONSIBILITY

- Lead Transmission, Racing Knights, International Go-Cart (IGC) Oct 2018-Mar 2019
- Lead Transmission , Racing Knights, National Electric Kart Championship (NEKC) Oct 2018-Mar 2019

## CERTIFICATIONS

- Certificate of Participation By KDC Feb 2018-Mar 2019
- Certificate of Participation By NEKC Mar 2018-Apr 2019

- |  |                   |
|--|-------------------|
| ▪ Certificate of Participation By ASME | Mar 2017-Apr 2019 |
| ▪ Certificate of Participation By IGC  | Mar 2018-Apr 2019 |

## EXTRA CURRICULAR ACTIVITIES

### Workshops/Seminars

- |   |      |
|---|------|
| ▪ Attended Workshop on “ASME”, Lovely Professional University | 2018 |
|---|------|

### Achievements/Participation

- |  |      |
|--|------|
| ▪ Participated in International Go-Kart Competition (IGC), Lovely Professional University    | 2019 |
| ▪ Participated in National Electric Kart Championship (NEKC), Bhopal                         | 2019 |
| ▪ Participated in Kart Design Challenge (KDC), GNA University                                | 2019 |
| ▪ Awarded 2 <sup>nd</sup> prize in Water Rocket Championship 2018 at Professional University | 2019 |

## LANGUAGE PROFICIENCY

- English,
- Hindi

## PERSONAL DETAILS

- |                 |   |  |
|-----------------|---|--|
| ▪ Date of Birth | : | 15 <sup>th</sup> September 2001  |
| ▪ Nationality   | : | Indian   |
| ▪ Address       | : | Village Saraura Post Sarauri District Pilibhit – 262001, Uttar Pradesh |