

**ACADEMIC DETAILS**

| Year | Degree/Exam | Institute | GPA/Marks (%) |
|------|--|---|---------------|
| 2010 | Central Board of Secondary Education | DAV Centenary Public School, Haridwar | 79.800% |
| 2012 | Central Board of Secondary Education | DAV Centenary Public School, Haridwar | 61.000% |
| 2016 | B.Tech in Civil Engineering | College of Engineering Roorkee, Roorkee | 72.320% |
| 2019 | M.Tech in Soil and Water Conservation (Agriculture Engineering) | GBPUAT, Pantnagar | 07.523 |

SCHOLASTIC ACHIEVEMENTS

- **Operational Optimization Of Water Release From Multipurpose Reservoir Using Genetic Algorithm : *M.Tech Project* (2018-2019)**
 - To develop optimal reservoir operation policies using Genetic Algorithm technique
 - Objective of the study is to maximize the total annual benefits (over 12 monthly time periods) from the system and is to minimization of sum of squared deviations of irrigation demands.
- **Ground water investigation of Industrial area in Haridwar: *B.Tech Mini Project* (2016)**
 - The study is carried out with an objective to investigate the groundwater quality as well as to get an insight into hydro chemical evaluation of groundwater.
 - Various parameters of groundwater were compared with different water standard and other conventional methods of data analysis were also used to evaluate the quality of groundwater

➤ **Ground Water Investigation of Industrial area in Haridwar** project paper published in TEJAS International Journal in 2016.
- **Efficient design of rain water harvesting and drainage of COER Campus. *B.Tech Mini Project* (2015-2016)**
 - Approximate discharge from all the building of COER campus were computed by empirical method and design were done considering latest recommendation by IRC.

INTERSHIPS

- PWD Roorkee (12th June – 11th July, 2015)
 - Study of manufacturing of DBM in plant
 - Construction of dense macadam bituminous road
- PWD Roorkee (23th June – 22th July, 2014)
 - Surveying of 25km road by Total Station (Leica 330)

CONFERENCES

- **Rehabilitation in Kedarnath** in the “National Conference on Emerging Trends in Engineering Science and Technology (NCETEST – 2014)”.
- **Palm island- Construction and its Implementation in India** in the “National Conference on Research & Innovations in Engineering and Technology (NCRIET – 2015)”

TECHNICAL SKILLS

- **Programming Languages:** C++
- **Software:** AutoCAD, Stadd-Pro

EXTRA CURRICULAR ACTIVITIES

- Hobbies and other interests: Writing, Travelling, Admiring Nature and Listening Music.

LANGUAGE PROFICIENCY

- English
- Hindi