

Manish Goyal

B.Tech. Civil Engineering
UG(IV Year II Semester)
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Registration No: B.Tech./CE/13113065/2017

Indian Institute of
Technology
Roorkee



Area of Interest

Data Structure, Algorithm and Coding

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2016	B.Tech. 4th Year	Indian Institute of Technology, Roorkee	7.152
2013	Twelfth	Maharaja Agrasain Sr. Sec. School, Sirsa	92.0 %
2011	Tenth	Maharaja Agrasain Sr. Sec. School, Sirsa	9.8

Internships

Internship at CPWD | Central Public Works Department

16th May, 2016 - 28th June 2016

- Learn about design and construction of different structural elements and use of phenomenon like Expansion joints and staircase in real life scenarios.
- Got practical experience of construction site conditions and various other managerial aspect of Building Construction.

Projects

Design of Sustainable Urban Drainage and Rain Water Harvesting Systems for the Campus of IIT Roorkee |

Department of Civil Engineering, IIT ROORKEE

July, 2016 - Ongoing

- Detailed Surveying, Planning, analysis and design of storm water drainage, Rainwater Harvesting System, Underground
- Storm water storage reservoir-cum recharge pond and pumping system for the IITR campus.

Design of asymmetric multi storey rcc building frame in different earthquake zones | Minor Course project

January - April, 2016

- Objective of the project is to design and analyze a multi-storied building frame in different earthquake zones.
- Analysis include calculation of cost in diff zones and finding the variation in steel and concrete used using SMRF.

MATLAB implementation of various procedures involved in Structural Analysis | Department of Civil Engineering, IIT ROORKEE

January - April 2015

- Made a MATLAB programme for Structural analysis of the Simply Supported Beam subjected to various loading which includes the calculation of Bending Moment, Shear Force Diagram and Deflection Diagram of the beam.

Preparation of Digital Map of Roorkee with help of surveying and ArcGIS | Department of Civil Engineering, IIT ROORKEE

December 2014

- Did survey and leveling of a nearby area of IIT Roorkee using Autolevel and GPS.
- Also Prepared a Topographic and Thematic map using ArcGIS

Awards / Scholarships / Academic Achievements

- In National top 1% at National Standard Examination in Physics Olympiad (2012-13) conducted by Indian Association of Physics Teachers for being placed.
- Secured 'AIR-75' in NSTSE-2013 conducted at National Level.

Skills

Computer languages	C/Basic C++, Basic SQL
Software Packages	Matlab, Staad Pro, ArcGIS, ERDAS, Global Mapper, Adobe Photoshop CS5
Additional Courses Taken	Strategic Human Resource Management, Building Material and Construction, Construction Planning And Management, Mathematics
Languages Known	English (SRW), Hindi (SRW), Punjabi (RW)

Positions of Responsibility & Extra Curriculars

Coordinator, Counselling Cell

2015-2017

- Part of the Cell directly under DOSW, IIT Roorkee which organizes Events to help the students to focus on and understand more clearly the issues that concern them.
- Organized 'Stress Management Workshop' which was attended by more than 500 students including Dean of Student Welfare, Mr. D.K. Nauriyal.

Coordinator, 'Power Of Habit' Seminar

2015

- Organised by Counselling Cell which includes a seminar series for freshers based on cultivation of Habits and 'Art of Mind control'.
- Attended by more than 150 students.

Web Designing Proficiency

2014-2016

- Its a cell under SDS labs which gives student a platform to learn coding and organizes competition for the same.
- I worked as a Proficiency holder and volunteer.

RENAISSANCE Workshop

June 2014

- I completed the Course on Data Structures and Web Designing in RENAISSANCE Workshop held at Roorkee during
- June-2014.

National Cadet Corps (NCC) Camp

26th Nov - 5 dec, 2013

- Participated in Combined Annual Training Camp of 3 UK CTR NCC held at IIT Roorkee

References**Indrajit Ghosh**

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Sudipta Sarkar

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