



Ankit Kumar
Geotechnical Engineer
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Area of Interest

Soil Mechanics, Pile Foundations, Geotechnical Engineering, Plaxis-3D, ETABS

Education

Year	Degree/Examination	Institution/Board	CGPA/ Percentage
2021	M.Tech. (PG)	Indian Institute of Technology, Roorkee	78%
2018	Graduate (UG)	Guru Gobind Singh Indraprastha University, Delhi	70.64 %
2014	Intermediate (Class XII)	Private (Delhi scheme) (CBSE)	71.20 %
2011	Matriculate (Class X)	Govt Boys Ser Sec School Dayal Pur Delhi (CBSE)	8.200

Internships

Summer Training | Bharat Heavy Electricals Limited (BHEL)

June 2017 - July 2017

- The title of work was "Underground RCC tank & Modelling, Design & analysis of Single Storeyed RCC framed Store no-3 using Staad- Pro".
- Worked on the Design, Modelling, and analysis of the Underground water tank.
- learned about the working culture and the way to handle work
- also, I got knowledge about the Staad-Pro and Autocad drawings applications.

Projects

FEM analysis of disconnected pile raft foundation under V-H-M loading using Plaxis-3D | IIT Roorkee

August 2020 – June 2021

- This study examines the behavior of the DPRF system in layered soil using the Finite element tool as Plaxis-3D.
- A comparison between pile groups of 5x5, 3x3, 2x2 has been made for both CPRF and DPRF cases.
- Bending moment and shear force distribution have been drawn for the combined loading condition (V-H-M).

Design of water supply and distribution system of Tughlakabad village | Ch. B.P. Govt Engineering College, Delhi

January 2018 - May 2018

- This study has been done as my major project report.
- An extensive study has been conducted to find out the ample use of water for selected Tughlakabad Village, New Delhi.
- Also, to evaluate the water usage, water quality and to find opportunities for enhancing water use efficiency

Behaviour of Concrete by partial replacement of Fine Aggregate with recycled plastic granules | Ch. B.P. Govt Engineering College, Delhi

August 2017 - November 2017

- The study aimed to find the Compressive Strength of modified Concrete blocks. I had done this study as Minor Project during Graduation and found out the 7 Day strength. Also, physical tests have been performed.

Awards / Scholarships / Academic Achievements

- Gate score 482 (39.91 Marks) in 2019, 288 (24.17) in 2022

Skills

Computer languages Python

Software Package Plaxis-3D, ETABS, Staad-Pro, Microsoft Excel, AutoCAD Basic

Additional Courses 1) Programming for Everybody (Getting Started with Python) 2) Programming foundation with JavaScript, HTML and CSS

Languages Known Hindi (S/R/W), English (S/R/W)

References

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