

# Rakesh Kushwaha Civil Engineer

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 12-12-2004

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 Noida Sector 59

## Objective

Enthusiastic B.Tech Civil Engineering fresher with knowledge of structural design, surveying, Auto CAD and construction management. Eager to start a professional career and contribute to innovative and sustainable civil projects.

## Projects

### Truss Bridge, K Truss Bridge

10/2024 – 11/2024

In this project, I have presented a K Truss bridge, tested it by applying a load force of 11 KN on each member, and designed it using AutoCAD.

### Sewage Treatment Plant (STP)

04/2024 – 05/2024

In essence, the project I've developed is a functional model of wastewater treatment that shows the routes, processes, filtration unit, transportation unit, and primary and secondary filtration.

### Under Ground Metro System

05/2025 – 06/2025

I saw the East West Corridor Metro System in Kolkata, built under the Ganges River, as a model and I read about the TBM machine that was used in this project as well.

### Sustainable water management, Treated Wastewater Reuse for Irrigation and Urban Landscapes

09/2025 – 11/2025

*Integrated Irrigation and Treated Water Reuse System for Efficient Agriculture* This project develops a system that integrates conventional irrigation with the reuse of treated wastewater. It focuses on collecting, treating, and redistributing wastewater for agricultural use to minimize freshwater dependency, reduce environmental pollution, and enhance resource efficiency.

## Courses

### Leadership and Team Effectiveness, NPTEL (IIT Kanpur)

### Training of Trainers, NPTEL (IIT Kanpur)

## Education

### Bachelors of Technology (CIVIL), J.C Bose university of science and technology

08/2022 – Present | Faridabad, Haryana

### Intermediate (10+2),

Kendriya Vidyalaya No. 1

07/2021 – 07/2022 | AFS, Gorakhpur

### High School, Kendriya Vidyalaya No. 1

07/2020 | AFS, Gorakhpur

## Skills

### Software

- Auto CAD (2D)
- Excel
- MS Word
- NotebookLM

### Core

- Structure Design
- Experitse in Building Material & Testing
- waste water management (WWM)
- Solid waste management (SWM)
- Hydrology
- RCC

### Soft Skills

- Communication Skill
- Team Management & collaboration
- Punctuality, Hard Working
- Active listener and learner

## Hobbies

- Learn about the new technologies and software.
- Badminton
- Workout
- Solo Travelling

## Languages

- English
- Hindi

## Declaration

I hereby declared all the information mentioned above are true to the best of my knowledge.