

# VISHESH KUMAR VERMA

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## EDUCATION

### NEW YORK UNIVERSITY-Tandon School of Engineering

New York, USA

Master of Science in Construction Management

Dec 2023

### AMITY UNIVERSITY MUMBAI

Mumbai, India

Bachelor of Technology in Civil Engineering, GPA – 9.31/10

July 2021

## RELEVANT EXPERIENCE

### FindMyTest.Com

Mumbai, India

Civil Engineering Branch Expert (Part-time)

June 2021- Jan 2022

- Drafted question papers for over 1M Civil Engineering students.
- Prepared 30+ full length test series and 30+ subject wise tests for Graduate Aptitude Test in Engineering (GATE) in India.
- Managed the schedule for uploading question papers for civil engineering department

### Indian Railway -Government of India

Mumbai, India

Project Engineer Intern

June 2019 - July 2019

- Represented Railways to the contractor on site for a \$1.5M RUB (road under bridge) project.
- Reduced overall project cost by \$500,000 with effective project Scheduling for all the subcontractors.
- Expedited the project completions by 2 months with effective planning and management skills.
- Performed overall quality assurance of all the different materials used and reported daily project status to the Railways higher officials.
- Monitored compliance to applicable codes, practices, QA/QC policies, performance standards and specifications.
- Enabled smoother workflow by keeping the Railway track safe and ensured safe running of trains.
- Supervised sub-contractors across site locations and ensured coordination between different units of work.

## PROJECTS AND RESEARCH

### Research Paper- International Conference on Contemporary and Sustainable Infrastructure ICCSI – 2021

May 2021

- Designed a Bio-Retention filter for 0.2M people in Navi Mumbai region of India.

Link: <https://iopscience.iop.org/article/10.1088/1755-1315/822/1/012025>

### Research Paper - International Journal of Recent Technology and Engineering

Nov 2020

- Design of Bio-Retention Filter Basin for Conservation and Purification of Storm water runoff in Urban Areas

Link: <https://www.ijrte.org/wp-content/uploads/papers/v9i4/D5011119420.pdf>

### Research Paper - Compliance Engineering Journal.

June 2020

- Comparison of Spatio-temporal Extension of Drought in Three districts of Maharashtra, India using SPI.

Link: <http://ijceng.com/VOL-11-ISSUE-6-2020/> (serial no 27)

### Project: Design of Bio-Retention Filtration System for Navi Mumbai

Jan 2021- April 2021

- Designed a Bio-Retention filter for a population of 0.2M people in Kharghar, Navi Mumbai.

### Project: Urban storm water Purification using Bio-Retention

May 2020- June 2020

- Studied importance of storm water purification, conservation and urban flooding mitigation by the use of Bio-Retention Filtration.

### Project: Repair of concrete elements.

Aug 2018- Nov 2018

- Modern repair and restoration methods for concrete structures detailed study

## ACHIEVEMENTS

- Published a book - “Storm Water Management Using Bio-Retention Filter” as a co-author.

Link: <https://www.morebooks.shop/store/gb/book/storm-water-management-using-bioretenion-filter/isbn/978-620-3-92433-6>

- Undergrad and Graduate scholarship holder both in India and USA.

- Undergrad Rank 5<sup>th</sup> among 150+ students at Amity School of Engineering and Technology.

## SKILLS

**Technical:** Power BI, AutoCAD, Microsoft Suite, Revit, ARC-GIS, Microsoft PowerPoint, Microsoft Excel, C++, Python, Google Sheet

**Certification:** National Programme on Technology Enhanced Learning (NPTEL) INDIA- Project Planning and Control || Modern Construction Material || Plastic Waste Management || Repair of Reinforced concrete Bridge || Repair of Reinforced concrete Structures || Repair and Maintenance of Concrete Structures.