

# Trishit Chandra

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## Summary

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A motivated and science-loving student currently working as a PhD research scholar at IIT Madras. Comfortable with research-oriented work specifically in the field of Structural Engineering. Able to communicate effectively with a team or an individual and very keen to develop more knowledge and professional skills in design, analysis and earthquake behaviour of structures. Also, able to work under any circumstances.

## Education

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### **National Institute of Technology (NIT), Kurukshetra**

Masters of Technology (M.Tech)

Graduated: June 2021

Specialization of Structural Engineering. CGPA of 9.45

### **Dr. B. C. Roy Engineering College (BCREC), Durgapur**

Bachelors of Technology (B.Tech)

Graduated: July 2019

Department of Civil Engineering. DGPA of 8.27

### **Uttarpara Govt. High School**

12<sup>th</sup> (WBCHSE)

Passed out: March 2015

Secured 72.4%

### **Patha Bhavan-Dankuni**

10<sup>th</sup> (WBBSE)

Passed out: February 2013

Secured 86%

## Additional Qualifications/ Achievements/ Certifications

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### **Published a Book Chapter**

*Virtual Conference on Disaster Risk Reduction*

*Title of book:* Recent Advances in Earthquake Engineering

*Title of chapter:* Seismic Assessment of RC Framed Staging of Elevated Water Tanks

*Publisher:* Springer

17<sup>th</sup> March 2021

### **Published a Monograph**

*Title:* Optimum Methods for Dynamic Analysis of Telecommunication Tower

*Publisher:* Lambert Academic Publishing

*ISBN:* 978-620-0-54039-3

*Published on:* 25<sup>th</sup> January 2020

### **Published a Journal Paper**

*Title:* Dynamic Analysis of Telecommunication Tower for Optimum Modal Combination and Elemental Discretization

*Journal:* International Journal of Engineering and Advanced Technology

*ISSN:* 2249 – 8958, Vol. 9, No. 1, October 2019

*DOI:* 10.35940/ijeat.A9720.109119

### **Qualification in GATE Exam 2019**

*Paper:* Civil Engineering

*Reg. ID:* CE19S76058100

*Score:* 604; *Marks:* 50.72; *AIR* 3460

### **M. Tech Final Year Dissertation Work**

*Title:* Seismic Structural Investigation for Mitigation of Sloshing Effects in Water Tanks

*Submitted on:* 30<sup>th</sup> June 2019

### **B. Tech Final Year Project Work**

*Title:* A Comparative Study on Telecommunication Tower under Different Loading Conditions with Comprehensive Seismic Analysis

*Submitted on:* 23<sup>rd</sup> May 2019

### **Elite Certification in Strength of Materials**

Secured 79%

NPTEL Online Courses

12 weeks course

### **Elite Certification in Design of Reinforced Concrete Structures**

Secured 73%

NPTEL Online Courses

12 weeks course

### **Elite Certification in Principles and Applications of Building Sciences**

Secured 62%

NPTEL Online Courses

4 weeks course

### **Certification in STAAD.Pro and AutoCAD**

M.S.M.E. Tool Room, Kolkata

1-month training each

### **Certification in Earthquake Resistant Design Workshop**

TeXeL Consulting Engineers

1-day workshop

### **Certification in Bridge Design Workshop**

Association of Consulting Civil Engineers

1-day workshop

## **Training Undertaken**

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### **Siliguri Jalpaiguri Development Authority**

*Construction of G+3 residential building*

Siliguri, West Bengal

*Training Period:* June 2018 – July 2018

### **Siliguri Jalpaiguri Development Authority**

*Construction of Mahananda Bridge*

Siliguri, West Bengal

*Training Period:* June 2018 – July 2018

## **Computer Proficiency Skills**

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ETABS 2017	Beginner
Abaqus 6.14	Intermediate
STAAD.Pro V8i	Advanced
AutoCAD 2018	Intermediate
MS Word 2013	Advanced
MS Excel 2013	Advanced
MS PowerPoint 2013	Advanced

## **Hobbies & Interests**

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### INTERESTS

1. Interests in visual mathematics, everyday physics and history of science
2. Interests in making excel sheets and coding for application in Civil Engineering problems

### HOBBIES

1. Painting
2. Listening to music
3. Reading science books and journals

## **Languages**

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English	Conversational
Hindi	Fluent
Bengali	Native