




# MRUNMAYEE SHIRADHONKAR

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## ABOUT MYSELF

As a student, I am seeking a role which allows me to continue learning while perfecting my skills, and encourages me to carry out efficient and effective research.



## EDUCATION

### MTech Structural Engineering | IIT Hyderabad

AUGUST 2021 – PRESENT

CGPA – 8.85

### B.E. Civil Engineering | Government College of Engineering, Aurangabad

2016 – 2020

GPA – 8.086

### H.S.C | SBES College of Science, Aurangabad

2015 – 2016

85.23%

### S.S.C | Sharda Mandir Girls High School, Aurangabad

2013 – 2014

98%



## SKILLS

- MATLAB
- Python
- Abaqus
- Web page development
- MS Office
- AutoCAD



## PERSONAL PROJECTS

### Seismic Analysis and Design of a High-Rise Shear Wall building (01/2022 – 05/2022)

Preparation of design spreadsheets for different structural elements including slabs, beams, columns, shear wall, raft and pile foundation as per Indian Standard codes. Complete ductile detailing of beams, columns and joints in accordance with Indian Seismic Codes.

### Developing Column Interaction Curve (08/2021 - 12/2021)

Developed column interaction curve based on the Material behavior and using Indian Standard code.

### Analysis and Design of G+6 Multi-Story Residential Building Using ETABS. (08/2021 - 12/2021)

### Structural audit of RCC structures- RCC Overhead Water Tank (01/2020 - 06/2020)

Inspection of overhead water tank and study for repair and rehabilitation methods. Developed webpage for Design of Circular and Rectangular Overhead Water Tanks.

### Introduction to Structural Audit of RCC structures (07/2019 - 11/2019)

Study the procedure and steps in structural audit and review of destructive and non-destructive techniques.

## **Laws and Policies in Construction Management (01/2019 - 04/2019)**

Studied the construction laws and policies in different aspects and views along with their necessity and importance.



## **PAPER PRESENTATION**

**National seminar – ‘Recent Acts of Waste Management in India’, Ujjain, Madhya Pradesh.**

Reduction of Solid Waste to Support Solid Waste Management Rule (2016) - Reduction in Paper Waste in Technical Institutes.



## **CERTIFICATIONS**

### **GATE**

- Qualified GATE 2020 and GATE 2021.

### **COURSERA**

- Specialization of ‘Python for Everybody’ with honors.
- Programming foundations with JavaScript, HTML, CSS.

### **NPTEL**

- Civil Engineering Courses.



## **EXPERIENCE**

**Intern | Mega Ventures, Aurangabad**

06/2019 – 07/2019

GIS mapping data handling

**Intern | Vishwa Consultants, Aurangabad**

03/2021 – 04/2021

Software and webpage management



## **EXTRACURRICULAR**

- **Performed Classical Dance in 'The 16th Beijing International Tourism Festival' at the Great Wall of China.**
- **Won first and second prizes for folk and classical dance in '13th Udbhav Utsav' an international dance festival held at Gwalior, Madhya pradesh.**
- **Completed Sangeet Prabhakar of 'Prayag Sangeet Samiti, Allahabad' in Bharatnatyam.**
- **Participated twice in National Inter-University Judo Tournaments.**
- **Mentored and supervised a group of students for Bharatnatyam.**
- **Co-ordinated Cultural Event of Government College of Engineering, Aurangabad - 'Elegance'.**