

# SHRADHA SHRINIVAS VARPE

San Jose, CA 95113 | +1 (669)288-1922 | [shradha5432varpe@gmail.com](mailto:shradha5432varpe@gmail.com) | <https://www.linkedin.com/in/shradha-varpe-11672915b/>

## SUMMARY

First year graduate Civil Engineering student seeking an internship for summer 2022 in Construction Engineering. Offer an hands-on experience in Construction along with education in Civil Engineering principles.

## EDUCATION

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### Master of Science in Civil Engineering, San José State University

Graduating May 2023

Major: Construction Engineering, Minor: Transportation Engineering

Coursework: Construction Estimation & Cost Analysis, Construction Law, Topics in Transportation Engineering(ITS)

### Bachelor of Engineering in Civil Engineering, Savitribai Phule Pune University

Graduated May 2019

Relevant coursework: Project Management & Engineering Economics, Quantity, Surveying, Contracts & Tenders, Construction Management, Infrastructural engineering & Construction Techniques

## PROJECTS

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### Study of BOT for Ahmednagar-Kopargaon Road (Aug 2018 – Mar 2019)

- Studied the concept of Build-Operate-Transfer in actual highway construction for Kopargaon-Ahmednagar road
- Collected the traffic data, did the road survey and calculated the total revenue for the project road by using Excel and previous project data to find out projected tollable traffic and related revenues on the project road for the duration of concession period, traffic going towards and coming from Kopargaon and Ahmednagar

### Seminar on Shell Foundation (Jan 2018 – Mar 2018)

- Studied the concept Shell Foundation, the geotechnical behavior of Shell Foundation, Pros and Cons of it and its economical replacement to conventional flat footings

## EXPERIENCE

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### Assistant Site Engineer, Intern, Spectrum Infrastructure, Nashik, India (Jun 2019 – Jul 2020)

- Worked on a government project of hostel building construction site
- Performed checking quality and quantity of the construction material, material testing, checking proportion of material for brickwork
- Material management, updating register of material, getting work done as per drawings and schedule, reporting completed work and work in-progress to a site engineer

## SKILLS

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- Software: Microsoft Excel, Word, PowerPoint, AutoCAD
- Interpersonal Skills: Communication, Leadership, Teamwork, Decision making, Problem-solving

## ACTIVITIES

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- Earned NPTEL Certification in Foundation Engineering course (Jul 2018 – Oct 2018)
- Student member of American Society of Civil Engineers
- Member of Civil Engineering Student's Association (CESA) (Jul 2017-May 2019)
- Attended International Webinar on "Constructional Aspects of Rigid Pavement", organized by SJCIT, Chickballapur, Karnataka, India (Jul 2020)
- Attended International Continuous Professional Development Online Series on "Sustainable Practices and Advancements in Civil Engineering (SPACE 2020)" (Oct 2020)