

# SHARDUL SAPKOTA

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Date of Birth: 19<sup>th</sup> June 1998

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## OBJECTIVE

Looking for an opportunity to study Masters in Transportation Engineering at IIT Kharagpur to learn, grow, and utilize skills and experience implementing innovative ideas with my analytical and logical abilities.

## ACADEMIC BACKGROUND

<b>2015-2019</b>	<b>B. Tech in Civil Engineering</b> SRM Institute of Science and Technology, Chennai, India	<b>9.04 CGPA out of 10</b>
<b>2015</b>	<b>12<sup>th</sup> (INTERMEDIATE)</b> HSEB (Capital Higher Secondary School)	<b>81.30%</b>
<b>2013</b>	<b>10<sup>th</sup> (SLC)</b> Board of Nepal ( Shree Manthali Higher Secondary School)	<b>86.13%</b>

## EXPERIENCES & CO-CURRICULAR ACTIVITIES

- Working as an engineer in *K. L. Engineering Consultancy and Construction Pvt. Ltd.* since August 2020
- Worked in *Platform Engineering Construction and Consultancy Pvt. Ltd.*, Nepal as an engineer from January 2020 to August 2020.
- Worked in *NATWEST Construction Company, Chennai, India* for 15 days as an Internship as a site engineer.
- Worked in *Raskot Municipality, Kalikot, Nepal* for 15 days as an Internship as a site engineer.
- Participated in workshop titled “Civil Bridge Design” at IIT Madras organized by CEA FEST 19 & Anvira Edustation, Mumbai.
- Completed one week short course on *STAAD.Pro V8i / en* conducted online by Bentley Institute in August 2018
- Completed the course conducted by Bentley Institute in August 2018 entitled “Symposium on BIM in Academia & Infrastructure”

## SOFTWARE KNOWLEDGE

AUTOCAD	PRIMAVERA	ETABS
MS OFFICE ( Word, Excel, PowerPoint)	MICROSOFT PROJECT	SKETCH UP
STAAD.PRO		

## LANGUAGES

- Good writing and speaking in Nepali and English
- Understanding Hindi
- Basic level German

## ENGINEERING PROJECTS

**1. STRESS-STRAIN ANALYSIS OF FLEXIBLE PAVEMENT INCORPORATING VISCOELASTIC RESPONSE OF THE BITUMINOUS MATERIAL AND THE DESIGN OF PAVEMENT**

- To model the viscoelastic behaviour of bituminous mixture using simple one dimensional rate type model.
- To determine critical stress and strain in the bituminous pavement by considering the bituminous layer as viscoelastic.
- To compare the critical strain obtained from the conventional method with viscoelastic layer strain.
- To design a pavement cross section based on strain value obtained.

## **2. ANALYSIS AND DESIGN OF FLEXIBLE PAVEMENT AND A RE-LOOK INTO PAVEMENT CROSS-SECTIONS IN IRC:37**

- To study the influence of axle type on the stress and strain in the flexible pavement.
- To determine the strain values at the critical locations of flexible pavement.
- To analyse the axle load distribution pattern in critical national highway traffic.
- To check the adequacy of different layer thickness suggested by IRC37.

### **ACHIEVEMENTS**

- Received FULL SCHOLARSHIP by Government of India under Nepal Aid Fund Scholarship 2015 for B.Tech (Civil Engineering) at SRMIST (erstwhile SRM University).
- Received FULL SCHOLARSHIP by Higher Secondary Education Board (HSEB), Nepal (2013 AD) for 10+2 at Capital Higher Secondary School.
- Received first position in ‘Science Fair-Ramechhap’ held in Manthali, Ramechhap, 2011 conducted by Nepal Academy of Science and Technology (NAST).

### **EXTRA CURRICULAR / LEADERSHIP ACTIVITIES**

- Completed the online course entitled “Let’s Break the Chain of COVID-19 Infection” conducted by *The Mohammed Bin Rashid University of Medicine and Health Sciences*.
- Participated and won the first position in Football competition during the International Students Day organized by SRM IST on 23<sup>rd</sup> March 2019.
- Won the first position in Cricket held in May 2018 International Students Day conducted by SRM IST, Kattankulathur. curricular
- Worked as a member of the Editorial Board in the publication of INTELLESCOPE-2013.
- Attained one day ‘2<sup>nd</sup> District Conference and Training Program’ on the theme “ELT in Rural Context: Growing through Professional Networks”.
- Worked as an advisor for 1 year (2011) at District Child Club Ramechhap, Nepal.

### **REFERENCES**

1. Dr. S. Senthil Selvan  
Professor  
Area: Civil Engineering- Steel Concrete Composite Structures  
Affiliation: Department of Civil Engineering, Kattankulathur Campus, SRM IST  
Email: senthils10@srmist.edu.in
2. Dr. A. Padma Rekha  
Associate Professor  
Area: Civil Engineering  
Affiliation: Department of Civil Engineering, Kattankulathur Campus, SRM IST  
Email: padmarea@srmist.edu.in  
(Major Project Guide)

**I do hereby certify that the information given above is true and correct to the best of my knowledge.**

**Date: 4<sup>th</sup> June 2021**

**Place: Bhaktapur, Nepal**

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