

HARSH SHREEPRAKASH JOSHI

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Plot no.: 461/1, Sector: 12/B,
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To grow in the field of Structural Engineering and use my potential & skills in an organization with an aim to learn new things and to constantly improve myself as an engineer, and as a human being. To obtain a rewarding position in the field of Structural Engineering for my personal as well as corporate growth.

PROFESSIONAL EXPERTISE

Primary Skills : STAAD.Pro, ETABS, SAFE, AutoCAD, SketchUp.
Documentation Tools : Microsoft Excel (Macro), Microsoft PowerPoint, Microsoft Word.

ACADEMIC QUALIFICATIONS

- **Centre for Environmental Planning & Technology University (CEPT), Ahmedabad, Gujarat.** **Pursuing**
Faculty of Technology
Master of Technology in Structural Engineering Design
Semester 1 **Grade Point Average – 2.9/4.0**
Semester 2 **Grade Point Average – 2.8/4.0**
Semester 3 **Grade Point Average – 2.9/4.0**
- **Gujarat Technological University (GTU), Ahmedabad, Gujarat.** **June 2015**
LDRP Institute of Technology and Research, Gandhinagar, Gujarat.
Bachelor of Engineering in Civil Engineering
Cumulative Performance Index – 6.73/10.0
Cumulative Grade Point Average – 7.58/10.0
- **Gujarat Secondary & Higher Secondary Education Board (GSHSEB), Gandhinagar, Gujarat.**
St. Xavier's High School, Gandhinagar, Gujarat.
Secondary School Certificate – 69.08 % **May 2009**
Higher-Secondary School Certificate – 70.46 % **June 2011**

PROFESSIONAL EXPERIENCE

- 11 Weeks Internship at **SPECTRUM Techno Consultants (P) Ltd., Ahmedabad.** **(9th May '16 - 22th July '16)**
I was involved in Design of Forebay for Pump House & Electrical Building of an Atomic Power Plant as well as Modelling & Analysis of Pump House in STAAD.Pro. Also co-ordinated in Designing and Detailing of an Emergency Exit Steel Staircase for a Metro Station.
- Working as a **Freelance Structural Design Engineer** **(October '16 - Present)**
I have so far carried out complete Analysis, Design, Detailing and Quantity Survey of 2 RCC G+1 Bungalows situated in Himatnagar, Gujarat.

MAJOR PROJECT WORKS

- Design of **Prestressed Concrete Box Girder** and **Solid Slab Bridge**.
- Design of a **RCC Compartment Silo**.
- Comparative Study of **Static and Dynamic Analysis** of RC Structures with & without **Modelling Infill Walls**.
- Study of **Strengthening** of Bridge Superstructures with **Post-Tensioning**.
- Design of **Transfer Point** of a **Coal Handling Plant**.
- Design of a **Multi-Storey Steel Structure**.
- Comparative Study of **Method of Analysis of IS 456:2000** for **Two-Way Continuous Slabs**.
- **Fibre Reinforced Concrete** from Natural Fibres - Feasibility Study.
- Watershed Management – Case Study of **Fog Water Harvesting**.

ACHIEVEMENTS

- **Presented technical paper** on “**Fibre Reinforced Concrete from Natural Fibres – Feasibility Study**” in an **International Conference** on “**Innovative Technologies in Engineering and Sciences – 2012**” held during 22-23 December, 2012 at V.V.P. Engineering College, Rajkot, Gujarat. Along with 3 other authors, we were presented with the **BEST TECHNICAL PAPER** award.
- Awarded with the Memento of **Best Student** of the batch July 2011 – June 2015, Department of Civil Engineering, LDRP Institute of Technology and Research, Gandhinagar.

EXTRA CURRICULAR

- Participated in **One Day Workshop** on “**Engineering Seismology**”, organized by **Institute of Seismological Research**, Department of Science & Technology, Government of Gujarat.
- Participated in **Three Day Workshop** on “**GIS & GPS Development in Water Sector**”, organized by **Gujarat Jalseva Training Institute**, Gujarat Water Supply & Sewerage Board.
- Participated in **One Day Workshop** on “**Water Harvesting, Conservation and Recharge**”, organized by **Gujarat Jalseva Training Institute**, Gujarat Water Supply & Sewerage Board.
- Participated in **One Day Workshops** on “**Bridge Designing**”, “**Earthquake Engineering**”, “**Design of Marine Structures - Ports and Harbours**”, “**Structural Systems**”, “**Prestressed Concrete Design**”, organized by **LDRP - ITR**, Gandhinagar.
- Worked as a **Volunteer** at **Right To Education Resource Centre (RTERC)**, IIM Ahmedabad.
- Worked as a **Teaching Assistant** for the subject of **Design of Steel Structures** at **School of Building Science and Technology**, CEPT University.
- Worked as a **Research Assistant** for checking the Strength Adequacy of a **Phase Change Material** in Concrete for **Centre for Advanced Research in Building Science & Energy** at **CEPT University**.
- Worked as **Student Coordinator** for the Department of Civil Engineering at **XENESIS-2013 (Gujarat's Biggest Technical-Fest** till then).

AREA OF INTEREST

- Design of Reinforced as well as Prestressed Concrete Bridges, Tall Structures, Silos, Steel Structures.
- Earthquake Engineering, Dynamics of Structures, Confined Masonry.

DECLARATION

I hereby declare that the above-mentioned information is true to the best of my knowledge and belief.

Yours Sincerely,
Harsh Shreeprakash Joshi.

REFERENCE

1. Mr. Nirav Soni,
Manager,
IL & FS Transportation Networks Ltd., Ahmedabad.
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