

Amey Gadkari

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Hardworking structural engineering postgraduate student offering experience in Civil and Structural design. Skilled at analysis, design, liaising with clients, leading, and working with teams to ensure the goals are met. Quick learner with positive attitude, ready to make immediate impact. With my experiences, I am looking to establishing my career as a Structural Engineer.

Education

MASTER OF PROFESSIONAL ENGINEERING | WAM 71 | FEBRUARY 2020 - DECEMBER 2021

The University of Sydney

- Major: Structural Engineering
- Current Research: Experimental and Analytical Study of Epoxy Resin (Wet) Joints in Precast Concrete Segmental Bridge

BACHELOR OF ENGINEERING | GPA 8.6 | JUNE 2015 – JUNE 2019

LDRP-ITR, K.S.V. University, Gandhinagar, Gujarat, India

- Major: Civil Engineering
- Minor: Structural Engineering

Additional Courses

UNIVERSITY OF WYOMING – COLLEGE OF ENGINEERING AND APPLIED SCIENCE | SEPTEMBER 2020

- Steel Bridge Education Lectures: from Concept to Delivery

INDIAN ASSOCIATION OF STRUCTURAL ENGINEERS | SEPTEMBER 2020 - OCTOBER 2020

- Lecture Series on Cable Stayed Bridges by Prof. Holger Svensson – TU Dresden

Experience

**STRUCTURAL ENGINEERING EXTERN | SKIDMORE, OWINGS & MERRILL, SAN FRANCISCO, USA
| JANUARY 2021 – FEBRUARY 2021**

- Shadowing the SF structural team and participating in the project meetings.
- Involved in the interdisciplinary design cohorts and learning parametric design tools.

TEAM MEMBER (CUSTOMER HOST) | WOOLWORTHS GROUP, CROWSNEST | APRIL 2020 - PRESENT

- Hosting customers and helping them finding the right product.
- Aiding the customers with online pick up orders, promoting “scan and go” and helping customers solve any technical difficulties.
- Leading the customer service team during period of high footfall.
- Stock take, mark down and order management.
- Working as stock replenishment team member when required.

JUNIOR DESIGN ENGINEER | S3M CONSULTANTS, AHMEDABAD, INDIA | MAY 2019 – JANUARY 2020

- Worked in a team of two on the three-phase analysis and design project of industrial tall reinforced concrete chimney.
- Proactively participated in the client meetings with the role to analyse the design needs for the project.

- Co-ordinated with the clients for the project.
- Responsible for progress presentations of the project.
- Delivered the designs and report within the deadline. The report was vital in recognizing and eliminating the anomalies in the initial design.

RESEARCH ASSISTANT | SVNIT, SURAT, INDIA | JUNE 2018 – JULY 2019

- Researching on variation of governing wind loads based on dimensional variation of RC chimney
- Research assistant in doctoral research of Prof Megha Bhatt on reinforced concrete chimney with CFRP openings under monotonic and cyclic loading.

SUMMER INTERN | ASTRA VENTURES, MUMBAI, INDIA | MAY 2018 – JUNE 2018

- Research aggregate production methods.
- Develop report suggesting suitable method of procuring aggregates for ongoing projects.
- Estimating the quantities of construction material for project.

Extra-Curricular Activities & Achievements

- ***Won India Australia Debate series organized by GTU and Gujarat Govt. - 2020:*** participated in four-day debate series on topics of current significance from aspects of environment, education, information, and development. The debate panel comprised of CEO – GSDMA, Director of International Relations – CBSE and GSEB, and prominent academicians.
- ***First runner-up in NSW Environment Protection Authority and University of Sydney Environment Hackathon – 2020:*** Proposed a novel solution based on use of RFID tagging, LIDAR data gathering, machine learning prototype for data analysis and VR spatial data representation to prevent illegal logging and map the ecological reserves along with tagging specific species of trees. NSW EPA further consulted our team on implementation of project and awarded second highest funding.
- Volunteer with Sydney Writers' Festival, USU, RUNSYDUNI2020, and National Trust of Australia.
- Participated and was awarded as the winner in ULTRATECH-Sparkling Star Contest.
- Lead the core organizing committee in “Aspiring Engineers’ Caucus” one of a kind structural engineering symposium.

Skills & Abilities

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| • Proficient in verbal and written communication | • Excellent presentation skills |
| • Leadership | • Planning and strategic thinking |
| • Teamwork and collaborative work | • Creative and analytical thinking |
| • Client Relations | • Operation Support |

Software Skills

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|--------------------|---------------|
| • Microsoft Office | • Adobe Suite |
| • Tekla | • ETABS |
| • Spacegass | • Staad Pro |
| • Microstran | • RAPT |
| • Python | • MATLAB |
| • AutoCAD | • Revit |

Languages

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| • English | • Gujarati |
| • Hindi | • Marathi |

Portfolio: https://drive.google.com/file/d/1RIQ87eatQHGHI3oFZ3V_VyupmwN2tkJp/view?usp=sharing