

EDUCATION	University of Cincinnati, Ohio August 2015 - April 2017
	Master of Civil Engineering (Major-Structural Engineering) GPA: 3.7/4.0 Coursework: • Theory and Design of Concrete Structures • Theory and Design of Metal Structures • Structural Mechanics • Structural Dynamics • Finite Element Analysis • Energy Efficient Buildings and Modeling
	Pune University, India June 2011 - May 2015
	Bachelor of Engineering, Civil Engineering GPA: 3.8/4.0 Coursework: • Structural Analysis • Strength of Materials • Geotechnical and Foundation Engineering • Soil Mechanics • Fluid Mechanics • Cost Estimation and Contracts • Architecture and Town Planning
EXPERIENCE	Graduate Research "Comparison between Flexure behavior of concrete and SFRC" May 2016 – April 2017
	<ul style="list-style-type: none"> Formulated an Excel spreadsheet to determine the moment capacity of fiber reinforced concrete. Complying with ACI 318, the effects of adding steel fibers to R.C.C. were studied through fiber analysis. Performed manual calculations to validate the spreadsheet calculations. Analysed various cross-sections to develop a relation between the fiber volume, moment capacity and longitudinal steel in reinforced concrete.
	Engineering Intern, Lunkad Realty (Site: Sky Belvedere-Pune) June 2014 - July 2014
	<ul style="list-style-type: none"> Supervised and verified construction activities on-site such as concreting, brickwork, plastering, steel work, water proofing, finishing, door and window fittings and false ceiling. Reviewed the reinforcement verification standards (IS-456) and respective CAD drawings. Coordinated with the suppliers, project staff, contractors for concreting and brickwork, architects and consultants for R.C.C. designs. Collaborated with the estimators to compile raw material bills, labour wages using MS Excel. Ensured timely documentation of revised drawings provided by the consultants.
	Teaching Assistant, Department of Physics, University of Cincinnati Jan 2016 - April 2017
	<ul style="list-style-type: none"> Instructed 60 undergraduate students to conduct experiments for PHYS-2001L, PHYS-1051L. Evaluated performance of the students and graded lab reports and records.
PROJECTS	Analysis and design of a steel building Aug 2016 - Dec 2016
	<ul style="list-style-type: none"> Performed non-linear analysis on moment frame and braced frame structure using SAP2000v14. Designed the beams, girders and columns for the building using AISC code specifications and load cases. Performed design checks on the members and selected the most economical sections
	Analysis of a building envelope using TRACE 700 March 2016 - April 2016
	<ul style="list-style-type: none"> Created original and modified alternative for the building envelope complying with ASHARE 90.1-2010. Generated reports for the Monthly energy consumption, Economic monthly utility costs. Concluded that the original design was better with 16% energy savings.
	Effects of tensile and compressive strength on bond strength in reinforced concrete June 2014 - June 2015
<ul style="list-style-type: none"> Determined 6 concrete mix designs for testing of 65 samples. Evaluated the material requirement and estimated the budget of the research. Conducted laboratory tests to determine the tensile, compressive and bond strength. Established an empirical relation between bond strength, tensile and compressive strength. 	
	Design of a three-story reinforced concrete building Dec 2013 - May 2014
	<ul style="list-style-type: none"> Drafted a detailed model of a three-story building using AutoCAD 2012 Designed structural components (beams, slabs, columns and foundation) using IS 456. Estimated the cost and materials required for the building using MS Excel.
SKILLS	SOFTWARE: AutoCAD, ETABS, SAP 2000, MATLAB, XTRACT, Visual Analysis, Sketchup Pro, TRACE 700, REVIT CODES: ASCE 7, ACI 318, AISC (LRFD & ASD), IS 456, IS 800, AASHTO (LRFD). CERTIFICATION: FE/EIT Civil, NCEES ID: 16-909-54.
AWARDS	University Graduate Student scholarship (UGS) August 2015-Dec 2016
ACTIVITIES	MEMBERSHIP: SWE, SEAoO, ASCE, ACI, PCI
	VOLUNTEER: GMAT Counselling Academy, Pune-India June 2013-Jan 2015
	Society of Women Engineers, University of Cincinnati Jan 2016
	Indian Students Association, University of Cincinnati Aug 2016