

EDUCATION

University of California, Davis | MS - Structural Engineering & Mechanics 9/2013-12/2015
Fundamentals in Engineering (F.E/ E.I.T) | NCEES 3/2014
University of California, Berkeley | Inter UC Exchange: Law for Engineers, Business Model Innovation & Entrepreneurship
Delhi College of Engineering, India | Bachelor of Engineering - Civil Engineering 8/2008-6/2012
Skills: AutoCAD, Bluebeam, Corecon, MATLAB, MS Office

EXPERIENCE

Senior Project Engineer | A-B Construction – Berkeley, CA 2018 - Present

- Managing, planning and executing construction projects in demolition, earthwork and civil utilities including Park Tower, Salesforce Tower, UCSF CSB, Marin General Hospital and Kaiser Oakland
- Performing cost control, material procurement and delivery and document control including submittals, schedules, RFIs and change orders

Assistant Project Manager | Kaufman Construction Inc. - Berkeley, CA 2016 - 2018

- Managed clients, architects, engineers and subcontractors for \$6M tenant improvement projects in education (Aspire Richmond Technology Academy), housing, apartments and retail
- Prepared and distributed updated estimate, schedule, submittals, subcontracts, RFIs, submittals schedule and log, subcontracts schedule and log, punchlist and closeout
- Approved invoices and evaluated Change Orders to prepare subcontractor and owner change orders
- Created Meeting Agenda for weekly Owner Architect Contractor (OAC) meetings with progress updates
- Led field walk-throughs with architect and subcontractors for punchlist

Project Manager | AEI Consultants – Walnut Creek, CA 2016

- Performed Property Condition Assessments (PCA) of commercial office (400,000 SF), commercial retail (400,000 SF), multi-family (100,000 SF), hotels (257,000 SF), assisted-living (130,000 SF) and storage-units (219,000 SF) for property owners, financial and institutional investment firms and Fannie Mae – for debt and equity
- Conducted preliminary due-diligence, researched building historic data, interviewed building management and performed field visits to evaluate mechanical, electrical, HVAC, fire safety, roof systems, interior space and exterior building systems
- Projected Immediate Repair Costs and Capital Reserve in Property Condition Reports (PCR) to facilitate repair, replacement and maintenance of building systems over a duration of 10 years

Project Staff | Smart Structures & Dynamics Laboratory - Indian Institute of Technology Delhi 2/2013-4/2013

- Conducted vibration monitoring of high intensity vibrations reported at King's Canyon (B2) ASF Insignia building
- Measured and analyzed vibrations at multiple levels of the building by utilizing accelerometers

Summer Intern | Risk Advisory Services - Ernst & Young - Gurgaon, India 6/2011-7/2011

- Prepared Standard Operating Procedures (SOP), Key Project Indicators (KPI), Functional Reports, Progress Reports and modules on Enterprise Process Tool for real estate and infrastructure clients
- Evaluated weekly and monthly progress reports and assessed project performance
- Conducted client site visits and evaluated implementation of project guidelines
- Created '*New Technologies in Civil Engineering*' report on glazing, MIVAN and earthquake-proof technologies

Construction Consulting Intern | Larsen & Toubro, India 6/2010-7/2010

- Performed aggregate, soil and concrete testing, cost estimation, surveying and schedule update for construction of 600-acre automobile manufacturing plant of Maruti Suzuki India Ltd. with an annual manufacturing capacity of 800,000 vehicles

PROJECTS

Masters Research | Computational Cement Composites Research Group - UC Davis 4/2014-10/2015

- Performed fatigue tests and image analysis on porous concrete samples created using mono-sized & natural aggregates

Senior Project | Smart Structures & Dynamics Laboratory - Indian Institute of Technology Delhi 9/2011-4/2012

- Researched on laboratory fabricated composite bamboo beams for prospective use in mainstream construction industry
- *Study of Bamboo Structural Elements for use as Construction Material:* BE Thesis

PUBLICATIONS

<https://sites.google.com/site/akshimaheshwari1/home/publications>

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- *Characterization of Fatigue Properties of Porous Concrete* at ConMat 2015, Canada 7/2015
 - *Composite Bamboo Beam Elements for Structural Applications* at UKIERI Concrete Congress, India 3/2013
 - *Low Cost Modal Analysis Techniques for Evaluation of Structural Retrofitting & Long-Term Health Monitoring* at Repair and Rehabilitation of Concrete Structures, India 5/2011