

Nishant Verma

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Objective:

An opportunity to contribute as a Structural Intern in a role that is challenging and innovative in the field of engineering and design

Education:

State University of New York, Buffalo (Expected: Dec 2011)
Masters of Science in Civil Engineering (Structural and Earthquake Engineering)

University of Pune, India (June 2010)
Bachelor of Engineering in Civil Engineering (3rd in a class of 60)

Key Course Work:

Structural Dynamics, Earthquake Engineering, Structural Control, Advanced Structural Design, Steel Design, Concrete Design, Advanced Structural Analysis, Advanced Mechanics of Solid, Advanced Mathematics for Civil Engineers

Skills:

- Expertise in STAADPro, RUAUMOKO, Seismosignal and AutoCAD
- Can work with Microsoft Office package
- Well versed with Windows Operating Systems (all versions)
- Efficient management and organizational abilities
- Good communication skills in English
- Have good problem solving and analytic thinking
- Open minded to work in complex environment and projects

On-site Experience:

Yanpi Construction (June-August 2010)
•Field supervisor-coordinated field activities with design changes and internal scheduling
•Understanding the architectural design from the supervising engineer, translating it in terms of site environment and guiding the construction workers accordingly

Current Projects:

Retrofication of existing building using supplemental damping and base isolation (May 2011)
The building will be retrofitted using
•Hysteretic Dampers, Viscous Dampers, Tuned mass Dampers, Lead-rubber base isolation bearings
•Assessment of optimum retrofit strategy for near-fault ground motion
•Software - RAUAMOKO and Seismosignal

Seismic analysis bridge structure (May 2011)
The structure will be analyzed using different methods
• Equivalent Lateral Force Method
• Modal Response spectrum analysis
• Non Linear Time History Analysis
• Linear Time History Analysis

Projects completed:

Analysis and Design of Multi-storied Residential Building (May 2010)
•The main idea of this live project was to determine how to achieve economy and to get site experience
•Lead the group of four members and took responsibility of designing slabs and beams
•Economy was achieved by making proper use of steel in slabs and beams

Design of G+2 R.C.C. building (May 2009)

Seminars:

Demolition of Structure using Implosion Technology (Dec 2008)

- Individually presented comprehensive overview of the demolition of structure by using Implosion Technology.
- Adjudged one of the best in the class
- Scored 44/50, the Class Highest

Workshops Attended:

- Attended workshop on National Conference in Geotechnical and Research Material (NCGRM) (March 2007)
- Public relation workshop

Honors:

- Awarded twice for excellent performance in academics

Activities:

- Member of Earthquake Engineering Research Institute (**EERI**)
- Member of American Society of Civil Engineers (**ASCE**)
- Member of Civil Engineering Students Association (**CESA**)
- Appointed as **Magazine Secretary** at undergrad level (2009-2010)
- **Head Event Coordinator** for the Department Technical Fest Kruti 08 and Kruti 09 for two consecutive years
- **Club Advisor & Former Treasurer** of Rotaract Club (NGO) of D Y Patil College of Engineering
- Voluntarily **tutored** primary and secondary student's through the NGO