

ANKIT BHARGAVA

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OBJECTIVE

To gain an *entry level* position in an organization that can provide broad experience and career building opportunities with over all professional development

EDUCATION

Master of Applied Science in Civil Engineering, University of British Columbia, Vancouver, Canada

GPA: 3.70 on a scale of 4.0

Sep 04' to Jan 06'

Bachelor of Technology in Civil Engineering, Indian Institute of Technology Bombay, Mumbai, India

GPA: 8.22 on a scale of 10

July 00' to May 04'

WORK EXPERIENCE

Graduate Research Assistant in Civil Engineering Materials Group

Department of Civil Engineering, UBC, Canada

Sep 04' to Date

Supervisor: Professor Nem Kumar Banthia

Research Trainee in Structural Engineering Group

Department of Civil Engineering, IIT Bombay, India

May 03' to July 03'

Supervisor: Professor Pradipta Banerji

AWARDS AND ACADEMIC ACHIEVEMENTS

- ❖ **Graduate Entrance Scholarship** from Department of Civil Engineering, University of British Columbia, Sep 04'
- ❖ **Graduate Research Scholarship** from Department of Civil Engineering, University of British Columbia, Sep 04' to Date
- ❖ **Graduate Research Scholarship** offered by Department of Civil Engineering, University of Kansas, USA and University of Toronto, Canada, May 04'
- ❖ **Heritage Fund Scholarship** from Department of Civil Engineering, Indian Institute of Technology Bombay, Mumbai, India, July 03' to April 04'
- ❖ **Top 5** in a class of 37 students in Department of Civil Engineering, IIT Bombay
- ❖ Figured in **top 1.5%** of the **150,000 students** who took the Joint Entrance Examination to get admissions to the IIT's in May 00'

RESEARCH PROJECTS

Durability of Concrete Composites, M.A.Sc. Thesis

Sep 04' to Date

- ❖ Evaluated durability of concrete composites using cellulose fibers
- ❖ Permeability which is one of the aspects of durability was evaluated using a specially designed set up at UBC
- ❖ Proved that the use of cellulose fibers enhances the durability of concrete composites
- ❖ Outcome to be used in generating Life Expectancy Functions (LEFs) for Life Cycle Engineering (LCE) Models

Capacity Assessment of Circular Columns, B.Tech Thesis

May 03' to April 04'

- ❖ Assessed safety margins in loads and moment carrying capacity of circular column that exist due to partial factors of safety for loads and material strengths; and over strength of materials
- ❖ Developed necessary *software* for quantitative evaluation of margins and confidence limit

- ❖ Evaluated the margins considering the effect of confinement
- ❖ Demonstrated that even after spalling of concrete, core of the columns can withstand the service load safely

Seismic Upgrade of Building, Course Project

Jan 05' to April 05'

- ❖ Performed Quasi- Static Analysis, Linear Dynamic Analysis and Non-linear Static Pushover Analysis
- ❖ Analyzed the viability of proposed retrofit

RELATED SKILLS

- ❖ Consistent *good grades* in courses related to Structural Engineering
- ❖ Highly competent in Structural Analysis and Design
- ❖ Material Testing and Concrete Casting
- ❖ Excellent exposure to Fiber Reinforced Concrete
- ❖ Excellent writing and oral communications skills
- ❖ Good professional ethics and ability to work in team

COMPUTER SKILLS

- ❖ Programming Languages: C++, FORTRAN
- ❖ Operating Systems: Windows 2000/ME/XP/9X, Linux
- ❖ Professional Packages: MATLAB, AutoCAD 2000, MS Office, MathCAD, Nonlin

EXTRA- CURRICULAR ACTIVITIES

Member of Organizing team, Third *International* Conference on Construction Materials Performance, Innovations and Structural Implications (Con Mat' 05), Vancouver, Canada
Aug 05'

Treasurer of Utsav, The Indian Student's Association at UBC Feb 04' to Date

- ❖ Responsible for planning and allocation of financial resources
- ❖ Actively involved in organizing Utsav's annual events
- ❖ Acted as a channel between the group and the *Alma Matter Society* of UBC; resulting in 200% increase in assets and improved visibility of group in UBC/Vancouver at the end of the term

Students Health and Safety Representative, Civil Engineering Materials Group, UBC

Oct 04' to Date

- ❖ Liaison between students and faculty
- ❖ Certified for Occupational First Aid Level One

Core member of Student Mentor Program, IIT Bombay

July 03' to April 04'

- ❖ Mentored a group of new entrants to the undergraduate program
- ❖ Monitored their progress and ascertained their general welfare

REFERENCES

Available upon request