



Niket Vora
Civil Engineering
Indian Institute of Technology Bombay

09D04005
Dual Degree (B.Tech+M.Tech.)
Male
DOB: 17/02/1990

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2014	8.18

PROFESSIONAL EXPERIENCE

GEM ENGSERV PVT. LTD., MUMBAI | STRUCTURAL CONSULTANT [May'13-Jul'13]

Completed 2 parallel assignments: design of dam and technical advice for real estate clients

- Saved **100 man-hours** by automating design of gravity dam to achieve economical geometry for foundation analysis
- Furnished technical guidance on projects of Tata Housing and Godrej to be used for execution process

Highlight: Received a **Pre-Placement Offer (PPO)**

QUANT CAPITAL FINANCIAL ADVISORY PVT. LTD., MUMBAI | FIXED INCOME ANALYST [May'12-Jul'12]

Constructed Advanced Nelson Siegel Term Structure Model

- Assessed and refined model to accurately fit and forecast term structure of interest rates
- Optimized parameters of the model; validated it against standard results from Clearing Corporation of India Ltd.

Result: Model computed and predicted the price of bonds with short and long term maturities accurately

GAMMON INDIA LTD., MUMBAI | STRUCTURAL ENGINEER [May'11-Jul'11]

*Supervised the construction of Residential Complex worth **INR 1.2 billion***

- Improved quality of concrete mix design; conducted tests and verified quality of steel and concrete
- Assisted in project planning; estimated resources and quantified amount of permissible waste

Outcome: Proposed to learn and rectify Bar Bending Schedule saving an opportunity cost of **INR 60k**

LEADERSHIP AND ORGANIZATIONAL ROLES

COMPANY COORDINATOR | INSTITUTE PLACEMENT TEAM [May'13-present]

Working in tandem with 40 coordinators for campus relations with over 500 firms for 1600 students

- Liaised with **10 new recruiters** spanning-Engineering, Finance & FMCG sectors; explored international job space
- Initiated dialogues with 70 MNCs so far; targeting **20% Y-o-Y increase** in the number of campus recruiters

MARKETING MANAGER | AAKAAR, CIVIL ENGG. ANNUAL FESTIVAL, IIT BOMBAY [May'11-Mar'12]

*Led a 2 tier team of 20 students to solicit sponsorship worth **INR 6 Lacs***

- Revamped marketing strategy and employed tiers for association leading to **33% growth** in sponsorship amount
- Established alliances with international societies of civil engineering (ACCE, ICACI, ICE) for brand enhancement
- Corresponded personally with **30 corporate managers** across 3 cities for an enduring sponsor relationship

DUAL DEGREE THESIS

Impact Echo Technique to detect voids and corroded steel reinforcement in concrete [May'13-present]

- Reviewed existing Non Destructive Testing Methods and established theoretical baseline for impact echo method
- Modeling structure and running simulations using explicit **finite element analysis (FEA)** software - **LSDYNA**
- Exploring possibilities to extend the technique for detection of corroded steel reinforcement

WELFARE WORK

CHILD RIGHTS & YOU (CRY) | ACTIVE ADVOCATE [Dec'12]

Core Member of Resource mobilization & Corporate Partnership team

- Devised strategies to increase outreach, association and advocacy among **300 corporates** pan India
- Conducted **3** pre-marathon activities for corporate advocates across Mumbai

INSTITUTE STUDENT MENTORSHIP PROGRAMME (ISMP) | CONTENT DEVELOPER [Jan'12-May'12]

- Addressed issues of linguistic and **academic difficulties** among freshmen via innovative articles
- Developed content explaining purpose and responsibilities of mentors for parental assurance

EXTRA-CURRICULAR ACTIVITIES

AWARDS & ACHIEVEMENTS	<ul style="list-style-type: none"> ▪ Awarded Organizational Special Mention for Maintenance Secretary, Hostel 8 ['11] ▪ 2nd - Institute Football League ['09]; 3rd - Inter Hostel Cricket General Championship (GC) ['10] ▪ 1st & 3rd prize in Potential Prof. & National Civil Engg. quiz competitions respectively in Aakaar '13
ADVENTURE SPORTS	<ul style="list-style-type: none"> ▪ Ascended Sarpass (13,800 ft.) & Chandarkhani pass (11,800 ft.) in Himalayan region; Kalsubai, Maharashtra's highest peak (5,400 ft.); rock-climbing, ice-climbing; paragliding enthusiast

Other Interests: Origami, Puzzles and Reading