## **ASHUTOSH JHA**

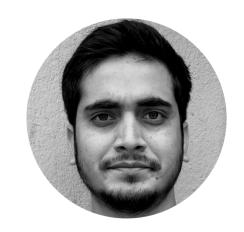
#### **Civil Engineer**

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**Y** Kathmandu, Nepal



## PROFESSIONAL EXPERIENCE

#### Graduate Trainee Engineer

#### **Building Design Authority Pvt. Ltd**

% http://www.bda.com.np

Provides consulting services in the field of design, architecture, engineering, and project management

#### Design of two storey building

#### **Isckon Temple and Ashram**

- Modeled, analysed and designed the frame of building according to the architectural drawing using SAP 2000 (V.16)
- Designed footings, slabs and cantilever beams according to IS codes

#### Design of four storey building

#### **Medical College and Hospital**

- Designed combined footing for column whose footings were overlapping and load exceeding the safe bearing pressure
- Prepared structural drawings using Auto CAD and worked in a crossfunctional team to execute the work

#### Design of water retaining structures

#### Water supply projects

 Designed water tank: circular and rectangular (both under and above the ground) using IS Code 3370 thereby, achieving substantial reduction in the cost of reinforcement

#### **ONGC**

#### **Project Management Intern**

• Studied new green building practices and sustainable design elements meant for reducing environmental impact

#### Public Works Department (PWD)

#### **Site Engineering Intern**

i June 2015 - Aug 2015 ♥ Delhi

 Supervision of piling work pertaining to a under construction 6 lane bridge

#### **EDUCATION**

B.Tech Civil Engineering

Delhi Technological

University (DCE)

🛗 2012 - 2016 🕈 Delhi, India

GPA

**7.3** / 10

**GPA** 

AISSCE (Class XII)

**Kendriya Vidyalaya** 

**2011 - 2012** 

**8.7** / 10

Rathmandu, Nepal

AISSE (Class X)

Gen B.C Joshi A.P.S

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**9.2** / 10

**GPA** 

2009 - 2010Pithoragarh,UK , India

## **ACADEMIC PROJECTS**

# Properties of Autoclaved aerated concrete (ACC)

- Investigated properties of green building material ACC by analyzing tests results
- Compared the obtained results with conventional building blocks

## Load carrying capacity of lattice Girder reinforced vs normally reinforced beams

May 2015 - May 2015 ♥ Delhi, India

- Analysis of both lattice girder reinforced and normally reinforced beams were done using FEA using ANSYS
- It was observed that for similar initial stiffness lattice girder showed higher load carrying capacity

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## **SKILLS**

## Software Packages

**Auto CAD** STADD. Pro V8i **SAP 2000 MATLAB EPANET ANSYS** 

#### IT Skills

C C++ **HTML** 

## **ACADEMIC PROJECTS**

## New outlook into random vibration problems and reliability methods

- Studied the descretization of input Gaussian Process in the space of standard normal random variables
- Obtained an approximate solutions for the problem using first order- and second order reliability methods using MATLAB