

ASHUTOSH JHA

Civil Engineer

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Kathmandu, Nepal



PROFESSIONAL EXPERIENCE

Graduate Trainee Engineer

Building Design Authority Pvt. Ltd

Sep 2016 - ongoing Kathmandu, Nepal

<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

Oct 2016 - Dec 2016 Chitwan, Nepal

- 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

Jan 2017 - Feb 2017 Kailali, Nepal

- 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 cross-functional 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

Jan 2015 - Feb 2015 New Delhi

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

Public Works Department (PWD)

Site Engineering Intern

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

AISSCE (Class XII)

Kendriya Vidyalaya

2011 - 2012

Kathmandu, Nepal

GPA

8.7 / 10

AISSE (Class X)

Gen B.C Joshi A.P.S

2009 - 2010

Pithoragarh, UK, India

GPA

9.2 / 10

ACADEMIC PROJECTS

Properties of Autoclaved aerated concrete (ACC)

Aug 2014 - Dec 2014 Delhi, India

- 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

SKILLS

Software Packages

Auto CAD

SAP 2000

STADD. Pro V8i

MATLAB

ANSYS

EPANET

IT Skills

C

C++

HTML

ACADEMIC PROJECTS

New outlook into random vibration problems and reliability methods

📅 Dec 2015 - May 2016 📍 Delhi, India

- Studied the discretization 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
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