

CHIRAG VIRMANI

New Delhi, India • (+91) 7838978803 • virmanichirag26@gmail.com

OBJECTIVE

Ambitious and responsible worker eager to begin an entry-level position as a Structural design engineer where I can utilize my organizational, time-management, and technical skills to excel in my field through research, hard work, and endurance.

PROFESSIONAL EXPERIENCE

Structural Steel Detailer & Modeler - Structures Online, India (May 2019- August 2020)

- Low-rise and multi-story buildings anchor bolt drawings, erection drawings, fabrication drawings, and connection details through Advance Steel for the projects in India & the United States.
- Leverage Advance Steel to create a 3-D model structure according to the client's requirements.
- Creation and validation of DXF, NC (with hard stamp and scribing), and KISS files.

Project Management Consultant - Jade Consultants, India (November 2018- April 2019)

- Inspect project sites to monitor progress associated with design specifications and safety standards.
- Oversee all construction, maintenance, and operations activities at the project site.
- Assist clients in structural issues, project planning, and cost estimation.

Intern (site engineer) - SRS real infrastructure ltd., India (May 2016- June 2016)

- Learned about the whole process of construction of buildings.
- Testing of materials and permissible limits of materials that are used in the construction.
- Worked closely with Junior Engineer on quality assurance procedures and presented reports on trial materials.

Intern (site engineer) - Jaypee Associates Limited, India (May 2015- June 2015)

- Management of project and construction activities.
- Reading of detailed drawings and cost estimation of members in a structure.
- Apprehended general as well as detailed specifications and implemented them on site.
- Examined concrete work on site.

TECHNICAL SKILLS

<i>Staad pro</i>	<i>Matlab</i>	<i>AutoCAD</i>	<i>Advance steel</i>
<i>Matrix method</i>	<i>Structural detailing</i>	<i>Microsoft Office</i>	<i>Etabs</i>

EDUCATION

Amity University <i>Bachelor of Technology (Civil Engg)</i> CGPA: 8.10	Noida, India July 2013- July 2017
Hans Raj Model School <i>10+2 (CBSE)</i> CGPA: 8.5	New Delhi, India May 2012- May 2013
Hans Raj Model School <i>10th (CBSE)</i> CGPA: 9	New Delhi, India May 2010- May 2011

CERTIFICATION & EXTRACURRICULAR ACTIVITIES

American Society of Civil Engineers <i>Member (2014-2017)</i>
Institute of Civil Engineers <i>Member (2014-2017)</i>
Certificate of completion, Staad pro <i>Udemy (2020)</i>
Certificate of completion, Etabs <i>Udemy (2020)</i>

ACADEMIC PROJECTS

Seismic Analysis of Earthquake Resistant Steel Buildings

- Computation of deflections in buildings by Matrix Method.
- Comparison of deflections in buildings in zone 3 and zone 5 with bracings as well as without bracings.
- Completed seismic assessment to identify hazards and applied safety mitigation techniques to lower risks.

Types of Cement

- Researched on different types of cement and manufacturing.
- Gained knowledge on allowable limits of ingredients in cement, cement tests, and its uses for different purposes.
- Comprehended the limits of lime, silica, and alumina in cement. Also learned about the characteristics and effects of a higher content of C₃S, C₂S, and C₃A in cement.

COURSE WORK

Structural Analysis I | Structural Analysis II | Strength of Materials | Building Drawing and Designing | Design of Steel Structures | Structure Detailing | Fluid Mechanics | RCC | Soil Mechanics | Quantity Surveying and Estimation | Concrete Technology