

# MOHIT GUPTA

Male, 23 Years

**B.E. (Hons.) Civil Engineering** (2011-2015)

**BITS Pilani, Pilani Campus**

**CGPA: 9.19/10**

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## ACADEMIC ACHIEVEMENTS

- **AIR-298** in **GATE** 2017, Civil Engineering.
- Batch topper in third and fourth academic year, 2013-2015.
- **Rank 3** in B.E. Civil Engineering batch (out of 60 students).
- Scored the highest grade in 11 out of 16 civil engineering subjects.
- Scored **322/340** in **GRE** with perfect **170/170** in **Quants** section.
- Participated in '3D student Design Challenge 2014' by **Autodesk** under '**BIM Design**'.
- **AIR-136** in National Science Talent Search Examination.
- Secured 2<sup>nd</sup> rank in school in Class XII Board examinations with 87.2%

## PROFESSIONAL EXPERIENCE & INTERNSHIPS

Project Lead, 3D concrete modeling at **Vconstruct**, Pune (A subsidiary of DPR Construction, USA)

**June 2015- June 2016**

- Led 3-member project team to prepare as-built 3D models and deliver shop drawings to clients. My team successfully completed 6 projects which involved,
  - Preparing of highly efficient workflows for both modeling and drawing generation.
  - Updating the 3D model regularly and shop drawings and sharing the changes with project team in form of pdf and CAD.
  - Developing 3D models to illustrate contractor issues and provide possible solutions.

**Techture**, Nagpur, a BIM based startup

**December 2014- February 2015**

- Prepared BOQs along with 3D architectural and structural model for a 2 lakh sq. ft. project.

Summer Intern, **Civil-Aid Technoclinic Pvt. Ltd.**, Bangalore

**May 2013-July 2013**

**Civil-Aid Technoclinic Pvt. Ltd.** - a Bureau Veritas Group Company, which mainly deals in mechanical testing.

- Data analysis of various site and non-site geotechnical tests for Bangalore Metro underground tunnel.
- Results were later used to design the foundation.

## PUBLICATIONS

- An article titled 'Is India BIM ready?' in '**The MasterBuilder**' magazine.
- Research paper titled 'Building Information Modeling: Implementation, Benefits, Building Performance, and improved Seismic performance on a residential building' has been selected in **ASCE 2017 Congress on Technological Advancement**.
- Review paper on "In-plane Strengthening of Masonry Walls with Fibre Reinforced Polymer (FRP)" at **National Conference for Sustainable Infrastructure Development, 2014**.
- Review paper on "Study on Improving the Resistance of Masonry Walls Subjected to Out of Plane Loads" at **National Conference for Sustainable Infrastructure Development, 2014**.

## THESIS

Thesis, Birla Institute of Technology & Science, Pilani

**August 2014 –December 2014**

**'Building Information Modeling: Implementation, Benefits, Building Performance, and improved Seismic performance on a residential building.'** under the supervision of Dr. Rajiv Gupta.

- Architectural, MEP and Structural designing along with Solar path and Shadow analysis (Autodesk-Revit).
- Energy analysis (Revit), Wind Analysis (Autodesk-Vasari) and Solar Analysis (Ecotect) for sustainability assessment.

## EXPERIENCE & POSITIONS OF RESPONSIBILITY

- **Teaching Assistant** for an undergraduate course of **Hydraulic Engineering**.
- Project Coordinator of Civil Engineering Association, B.I.T.S. Pilani
- Experience in team work and leadership as a member of NIRMAAN Organization (<http://www.nirmaan.org/>), a constructive citizen movement, currently working in area of education and employment
- Coordinator, DHITI 2014, a kernel event in APOGEE 2014, themed around designing economic modules to curb potential problems in India
- Assistant Project Leader of Gyan Bodh, an education project of NIRMAAN Organization (90+volunteers), making efforts to ameliorate the quality of education in a community in Pilani.

## OTHER INFORMATION

- **Software Packages:** Autodesk-Revit, Navisworks, AutoCAD, Synchro PRO, STAAD Pro, MS Project, MS Excel
- **Languages** (Professional Proficiency): English and Hindi
- Regular swimmer, Salsa dancer and interested in playing Table Tennis

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