

SHIVAM MATHUR

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EDUCATION

Carnegie Mellon University , Pittsburgh, PA	Dec 2017
Master of Science, Architecture-Engineering-Construction Management	
GPA – 3.80/4.0	
Vellore Institute of Technology (V.I.T University) , India	May 2014
Bachelor of Technology, Civil Engineering,	
GPA 8.84/10.0	

WORK EXPERIENCE

Earth Infrastructures Limited , Delhi, India	Aug 2014 – Jul 2016
Engineer – Projects	
<ul style="list-style-type: none">Evaluated workmanship of civil and structural work, quality of construction materials and Contractor's Bill of Quantities and ensured the accordance of work with the corresponding building codes and drawings.Audited the inventory documentation and material test reports prepared at construction site.Prepared technical audit report of 13 different construction sites and coordinated with all the sites-in-charge for necessary follow-up.	
Carnegie Mellon University , Pittsburgh, PA	Aug 2016 – Present
Graduate Assistant	
<ul style="list-style-type: none">Prepared Asset Score Models to calculate their energy efficiency of two Washington and Jefferson Buildings as part of the CEPM Energy Lecture Series, funded by National Academy of Sciences.Assisted the professor in framing and grading the assignments for an undergraduate class.	
Larsen & Toubro , Delhi, India	Jun 2013 – Jul 2013
Summer Trainee	
<ul style="list-style-type: none">Supervised the execution of civil and infrastructure work on an IT park project.Performed quantity and cost estimation for bulk materials required on a regular basis.	
Delhi International Airport Limited (DIAL) , Delhi, India	May 2012 – Jun 2012
Summer Trainee	
<ul style="list-style-type: none">Assisted site engineers in supervision of civil and infrastructure work of an underground drainage system.Supervised on-site material quality testing and perused the documentation involved.	

ACADEMIC PROJECTS

Mixed Use Hotel Proposal	Dec 2016
Description – The project required conducting feasibility analysis of a prospective Mid-Scale Hotel and summarizing the findings in a report and presenting it to the concerned members.	
<ul style="list-style-type: none">Conducted a thorough background research for the feasibility of a hotel in the target neighborhood.Prepared a detailed financial Pro Forma to estimate the capital budget and annual cash flow.Presented the findings and recommendation to the client.	

COMPETITIONS

Urban Land Institute Student Competition	Jan 2017
Description – The competition required creating a comprehensive development program of a real, large scale site based in Chicago, Illinois.	
<ul style="list-style-type: none">Conducted preliminary market study before the commencement of design development stage to identify the requirements of the neighborhood.Provided design inputs pertaining to zoning and structural viability.Prepared a detailed financial Pro Forma phased over 10 years to confirm financial feasibility of the project.	

RELEVANT COURSEWORK AND SKILLS

Project Management for Construction, Cost Estimation, Real Estate Design and Development, Urban Development, Building Information Modeling, Strategy Management, Engineering Economics
Software – Working knowledge of MS Project, AutoCAD, Asset Score