

EDUCATION

Illinois Institute of Technology, Chicago, IL

Masters in Architectural Engineering (Emphasis in **Structural Engineering**); GPA – 3.87

May 2020

Relevant Courses: *Prestressed Concrete Design, Advanced Steel & Composite Design, Seismic Design of Building & Bridge Structures, Bridge & Structural Design, Advanced Reinforced Concrete, Geographical Information Systems*

Guru Nanak Dev University, Amritsar, Punjab

Bachelors of Architecture; GPA – 3.4

May 2016

Relevant Courses: *Theory of Structures, Structure Systems, Architectural Design, Building Science, Green Buildings*

TECHNICAL SKILLS

AutoCAD	SAP2000	Prism	Bluebeam	Primavera	Microsoft Office
Revit	MicroStation	RISA-3D	Mathcad	ArcGIS	Tekla Structures

PROFESSIONAL EXPERIENCE

Intern – RTM Engineering Consultants, Chicago, IL

May 2018 - May 2019

Projects: Starbucks, Three Floyds Brewery, Ashland & Monroe Apartments, Dental Clinic, Artis Wilmette Senior Living

- Collaborated in design ideas and prepare construction drawings of existing and proposal layouts in Revit
- Worked on load calculations as per the building requirement to get started with design planning
- Inspected on-site conditions and developed survey notes for the construction design process

Construction Engineer – Prime Consultants, Ludhiana, India

Jun 2016 - Jul 2017

Projects: Insurance Office, Multispecialty Hospital, Hotel, Residential buildings, Interior of a Lighting Showroom

- Worked in a cross-functional role on various design, specifications, construction, and remodeling projects
- Designed layout, column, walls and executed construction based on the planned schedule in AutoCAD
- Successfully delivered the projects by planning and efficiently using the available resources to clients

Construction Intern – Artisans, Chandigarh, India

Jun 2014 - Dec 2014

Projects: British School, Renovation of the Hospital, Multi-Storey Apartments, Corporative Office, Residences

- Assisted in multiple projects for drafting documents, performed field visits & data collection
- Worked with project engineers and designers to produce conceptual documents and specifications
- Modeled exterior, interior elevation, drafted, rendered presentation plans & section drawings

PROFESSIONAL/ACADEMIC AFFILIATIONS

Activity Coordinator – Structural Engineers Association of Illinois (IIT Chapter)

Nov 2019 - May 2020

Vice President – Tau Beta Pi Honor Society (IL-Beta)

Apr 2019 - May 2020

Teaching Assistant – Illinois Institute of Technology, IL

Aug 2019 - May 2020

AWARDS/CERTIFICATIONS

Scholar Award – Tau Beta Pi Honor Society

LEED® Green Associate – Green Business Certification, Inc 11292284

Certified Associate in Project Management – Project Management Institute 2280898

ACADEMIC PROJECTS

Bridge Design Components (Codes Used: AASHTO, AISC Manual)

Sep 2019 - Dec 2019

- Designed concrete deck and steel beam for bridge span of 60 feet with consideration of AASHTO codes
- Analyzed the HL 93 load on beam with SAP2000 and examined the failure modes to have efficient selection of beam

Prestressed Beam Design (Big Beam Competition) (Codes Used: ACI 318, PCI Instructions)

Aug 2017 - Dec 2017

- Designed pretensioned 20 feet long bulb-tee beam with lowest cost, weight, and largest deflection at midspan
- Examined beam for flexure, shear design and calculated shear reinforcement for the ultimate load