

Tabassum Mushtary Meem

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EDUCATION

MASc in Construction Engineering

September 2021 – April 2024

École de technologie supérieure (ÉTS), Montreal, Canada

- Thesis: Automation in BIM Coordination and model quality improvement with a rule-based Revit plugin.
- Graduate Courses: (Taken from Concordia University) Big data analytics and AI for construction, Building Information Modelling (BIM) for Construction, Construction Planning and Control.

Bachelor of Architecture

February 2011 – February 2017

Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh

- Thesis: Durable modular residential infrastructure design for disaster-prone areas of southeast Asia.
- Graduate courses: Applied Machine Learning, Project Management, Cost Estimation, Structural design, Building MEP systems, Construction drafting using AutoCAD. Building Information Modelling (BIM).

WORK EXPERIENCE

BIM Coordinator Intern

May 2023 – August 2024

CIMA+, Montreal, Canada

- BIM Coordination: Performed clash detection, filtration, and resolution processes in more than 18 federated BIM models with Navisworks and Autodesk BIM 360 module.
- Quality Assurance: Conducted rigorous quality checks on 47 BIM models from MEP subdisciplines, ensuring 100% compliance with the BIM management plan and corporate standards.
- Cloud BIM Project Management: Administered the BIM 360 project data environment for 12 projects simultaneously, enhancing project collaboration and coordination efficiency.
- Revit family creation: Created customized parametric Revit families for MEP sub-disciplines according to corporate standards.

BIM Coordinator

December 2019 – August 2021

One Works., Rome, Italy

- Team Management: Trained and mentored BIM technicians.
- Project Management: Managed construction projects and controlled documents with Microsoft Project, Share-Point, and Primavera.
- BIM Coordination: Led the clash detection, filtration, and resolution processes in MEP and architectural BIM models for over 40 projects. Performed regular quality assurance, and quality control checks according to organizational standards.
- Dynamo script production: Authored custom Python-based Dynamo scripts for Revit task optimization and BIM model creation.
- Revit family creation: Produced and maintained customized parametric Revit families for architectural discipline.

BIM Architect

May 2016 – December 2019

Insignia Studio, Dhaka, Bangladesh

- **BIM Coordination:** Spearheaded BIM coordination for over 15 commercial projects, successfully resolving clashes among architectural, structural, and MEP disciplines.
- **Project Management:** Directed a team of 6 architectural technicians, planning, managing, and tracking over 25 medium-scale projects using Microsoft Project and Primavera, resulting in on-time delivery.
- **BIM Management Plan (BMP) Development:** Developed and managed construction documents and comprehensive BMP packages for residential, academic, and industrial projects, ensuring 100% compliance with corporate standards.

BIM Coordinator Intern

August 2015 – December 2015

Insignia Studio, Dhaka, Bangladesh

- **BIM Coordination:** Produced architectural BIM models with Revit and ArchiCAD and performed clash detection and resolution.
- **Visualization:** Manufactured 3D models for master plans and medium to large-scale commercial projects.

SKILLS

Computer Aided Drawing – AutoCAD

BIM Modeling – Autodesk Revit, Rhinoceros 3D, Archicad

Rendering – Lumion, V-Ray, SketchUp

Programming languages – Python, C#, HTML, CSS

BIM Collaboration and Coordination – BIM 360, BIM Track, Navisworks

Visual Programming – Dynamo, RapidMiner

Project Management – Microsoft Project, Primavera

CERTIFICATES

LEED Green Associate, USGBC

- Issued – Sep 2023
- Credential ID – 11566997

LANGUAGES

- English
- French