

Het Shah

Jersey City, NJ | +1 (551)-404-9788 | hs4205@nyu.edu | www.linkedin.com/in/heyhett

Education

New York University, New York

Aug 2020 – May 2022

Master of Science: Construction Management, Concentration - Management of Technology

Nirma University, India

Aug 2015 – May 2019

Institute of Technology

Bachelor of Technology: Civil Engineering

Institute of Management

Jul 2017 – Dec 2018

Specialization - Finance

Work Experience

Burns & McDonnell Inc.

Staff Civil Specialist

April 2026 - Present

- Leading BIM Coordination and management for hyperscale, multi megawatt-capacity data center projects, leading interdisciplinary teams to achieve fully integrated, high-quality design models.
- Directing BIM coordination for hyperscale data center projects, overseeing 100+ federated CSA, MEP, telecom, and security models within Autodesk Revit, Navisworks Manage, and ACC Forma to ensure clash-free design delivery.
- Executing clash coordination workflows through Navisworks Manage and ACC Model Coordination, identifying and resolving 10000+ multi-disciplinary clashes per project cycle to improve constructability and reduce RFIs.
- Leveraged PyRevit add-ins to streamline and automate Revit workflows, including parameter management, model auditing, and data extraction, significantly improving efficiency and accuracy across multi-discipline BIM projects.
- Developing and maintaining automated Model Health Check dashboards in Power BI, integrating outputs from Autodesk Model Checker to enable real-time tracking of modeling quality and standards compliance across 100+ federated models.
- Managing document control and deliverables using Procore and Bluebeam, ensuring accurate versioning, streamlined collaboration, & timely submission of BIM models, drawings, and project documentation across multi-disciplinary teams.
- Collaborating with Civil team to clean and prepare site CAD layouts for accurate Revit integration at each issuance.

Digital Delivery Specialist (Employed through MAGNIT LLC)

December 2024 – April 2026

- Managing document control and deliverables using Procore and Bluebeam, ensuring accurate versioning, streamlined collaboration, & timely submission of BIM models, drawings, and project documentation across multi-disciplinary teams.
- Supporting discipline leads with sheet issuance processes by handling title-block data and print sets, maintaining accurate and timely documentation throughout the project lifecycle.
- Employing the Autodesk Validation Tool (AVT) to execute and generate Model Health reports, confirming adherence to quality standards based on the required XML file.
- Establishing a comprehensive folder structure on BIM360/ACC, precisely managing permission settings for contractors, designers, engineers, and subcontractors to ensure secure and efficient project collaboration.
- Acting as a key technical resource by proactively troubleshooting software, model, and coordination issues, minimizing project delays and confirming continuous workflow efficiency.

Jacobs Engineering Group Inc. | Digital Delivery Coordinator

Jun 2022 - July 2024

Data Center:

- Led BIM Coordination efforts across a diverse portfolio of over twenty-five (25) global and regional multi-megawatt Mission-Critical Data Center projects, utilizing Autodesk Revit and Navisworks, and overseeing the entire BIM lifecycle management, from model setup tasks to project close-out.
- Set up PIM, AE Baseline, Product, and GC models and initiated them on the cloud platform (BIM360/ACC), defining file sharing and collaboration approaches with the team by leading a BIM kickoff meeting.
- Produced and managed 25+ title-block and revision data integration as per project requirements and effectively utilized the shared parameter collection from the firm-wide 'Content Lab'.
- Conducted Clash-Detection and Coordination meetings using Navisworks and Model Coordination to assign, group, escalate, and resolve clashes by facilitating communication among designers, engineers, and contractors.
- Ran Autodesk Model Checker to create Model Health reports and kept log of results by implementing a Power BI dashboard at each deliverable to monitor compliance with BIM audit standards & track QA/QC progress.
- Collaborated with the Common Data Environment (CDE) Manager to develop Dynamo scripts to run, update, and export COBie equipment-schedule reports as per client requirements.
- Published models through Design Collaboration on BIM360/ACC & created a package, assigning the appropriate set.
- Utilized Bluebeam for advanced document management, real-time collaboration, detailed markups, and accurate project measurements to ensure seamless BIM coordination and project execution.
- Partnered with an automation expert to script Revit file uploads and linking via automation, independently resolving issues and saving approximately 40 hours per Data Center project.

- Proficiently accomplished the daily Navisworks Cache (NWCs) export procedure using RTV Tools and RF Tools add-ons, assuring seamless integration with the project designated BIM360 platform.

Electrical Vehicles (EV):

- Generated 3D models using firm-wide content library Revit templates, configuring setup tasks such as shared-coordinates, linking processes, workset setup, titleblock, project phases, shared-parameters, and revision data.
- Coordinated across 10+ multiple design disciplines to define and validate grids and levels, ensuring their accurate integration into MEPF models and maintaining strict compliance with US National CAD Standards and ISO 19650 for effective BIM collaboration.

Specialized Manufacturing (SM):

- Designed and implemented 100+ customized titleblocks incorporating project north arrow, revision schedule, company & consultant logos, project information, & shared parameters, tailored to meet client specifications.
- Reported to local and regional Digital Delivery leadership, effectively managing 5 to 10 concurrent projects of varying complexities with stringent BIM requirements, confirming adherence to industry standards and client expectations.

NYU Tandon School of Engineering | Construction Management Ambassador - Unibuddy

Mar 2021 – May 2022

- Represented NYU Tandon's Construction Management program as a Unibuddy ambassador and scholarship recipient, guiding 500+ prospective applicants by sharing experiences, promoting program awareness.

New York University | Graduate Student Assistant

Nov 2020 – Jan 2022

- Accomplished graduate admissions documentation and processing, guaranteeing 100% compliance with requirements while enhancing departmental efficiency through systematic record maintenance and advanced administrative support.

Building Informatics and Visualization Lab (biLAB), NYU | VDC Volunteer

May 2021 – Jul 2021

- Employed FARO Focus laser scanners to capture high-resolution scans of on-site structures, generating and registering point-cloud data with SCENE and Autodesk ReCap Pro to ensure precise 3D model validation.
- Developed detailed 3D Revit architectural and structural models derived from point-cloud data, enhancing the accuracy and reliability of digital representations for project planning and analysis.

AMNEX Infotechnologies Pvt Ltd.

Associate BIM Consultant

Jul 2019 - Feb 2020

- Conducted clash detection with Solibri and Navisworks, generating comprehensive reports to resolve conflicts; created 4D simulations in Navisworks and Synchro to optimize construction sequencing.

Projects: 1. MAG EYE (UAE), 2. Adani Corporate House (India), 3. Indore Smart City BIM-GIS-LIDAR Project (India), 4. Rajkot Smart City GIS-LIDAR Project (India)

BIM Intern

Jan 2019 - May 2019

- Modeled LOD-300 to LOD-400 3D architectural, structural, & MEPF Revit models by integrating data from CAD, PDF, and point-cloud sources into BIM, certifying high levels of detail and accuracy. Drafted detailed parametric Revit families and maintained comprehensive 3D BIM content for firm-wide libraries, supporting consistent and efficient project execution.

H A Builders | Construction Intern

Jan 2018 - Jul 2018

- Processed submittals and tracked RFIs throughout design execution phases, maintaining rigorous quality control for a 5-story residential project, while assessing and reviewing change orders with the design team.
- Documented Minutes of Meetings and systematically tracked progress during the construction phase, safeguarding effective communication and project documentation.

Academic Projects

Geographic Information System (GIS):

Jan 2022 – May 2022

Conducted land cover change analysis using NLCD data for Weber County, Utah, evaluating changes across multiple land cover categories over a 10-year period (2001–2011) to identify spatial development and environmental trends.

Building Information Modeling (BIM):

Jan 2019 - May 2019

Developed LOD 300 Revit models, performed clash detection & 4D simulations to optimize construction sequencing, & extracted model data to generate equipment schedules for cost estimation & asset management, producing a project report.

Integrated Project Delivery (IPD):

Jan 2018 – Dec 2018

Collected residential project data to analyze and perform statistical analysis to compare quantifying performance of IPD as compared to the established delivery systems.

Technical Skills & Credentials

Software:	Autodesk Revit, Navisworks, AutoCAD, ReCap PRO, Dynamo, Power BI, Procore, Bluebeam Revu, Solibri, Synchro, Revizto, Civil 3D, PyRevit, Ideate Add-ins, CTC Suite Add-Ins, RTV Tools, RF Tools
Credentials:	LEED Green Associate, OSHA 30-Hours (2021), OSHA 10-Hours (2025)
Online Certifications:	Construction Project Management (Columbia University), Data Science for Architecture, Engineering & Construction (National University of Singapore)
Programming Languages	Python, C++ (Elementary proficiency)