

VIKAS VAGHASIYA

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(Open to relocate)

EDUCATION

Concordia University, Montreal, QC

December 2021 – April 2023

Master Of Construction Engineering and Management

Relevant Courses: Building Information Modeling | Building Economics | Big Data Analysis/Smart Cities | Project Cost-Estimating | Construction Planning and Control | Asset Management | Communication management | Urban Transportation Planning |

Institute of Technology, Nirma University, Gujarat, India

August 2018 - June 2021

Bachelor of Technology in Civil Engineering

Relevant Courses: Building and Town Planning | Construction and Project Management | Advanced Construction | Building Construction | Professional Practices | Financial management | Geomatics

SKILLS

Software Skills: Autodesk Revit, AutoCAD, Dynamo (Basic), Navisworks, Microsoft excel (Specialization), Bluebeam, MS project, Python (Basic), RS means, RapidMiner

Soft Skills: Active listener, Team Management, Communication, Leadership, Teamwork

Technical Skills: Project Management, Project scheduling, Risk Management, Quality and Cost Control

Certifications: Revit Architecture (Autodesk), Microsoft Excel (Specialization Certificate), Autodesk Certified Professional, Project Cost Estimation

PROFESSIONAL EXPERIENCE

Company: Rajhans Cineworld Pvt. Ltd.

January 2021 – June 2021

Project: Rajhans Flamingo – Multiplex Cinema Theatre

Position: Site Engineer (Co-op program)

- Conducted over 500 laboratory and on-site tests for construction materials to ensure compliance with quality standards and specifications
- Established work schedules and tracked progress, achieving project goals and increases 15% in productivity
- Reviewed and analyzed contract documents in detail for the project
- Reading and interpretation of Construction drawings and monitoring construction activities
- Quality monitoring and controlling of construction materials and site activities

Position: Junior site Engineer Intern

May 2018 - July 2018

Company: Akshar Milan Realty

Project: Commercial Shopping center

- Preparation and maintenance of site records while filling out other documentation
- Closely documented daily progress and produced informative reports, resulting in reduction in project time
- Ensured that Project tasks comply with negotiated criteria, budget, and within time limit
- Developed project schedules that reduced project completion time, resulting in improved project efficiency and on-time delivery

PROJECTS

- 1. Building Information Modeling for Pre-Construction Visualization and Planning.** | November 2022
 - Generated 3D model using Revit, and implemented in Navisworks for each clash detection and resolution, computing and comparing the quantity takeoff using Revit and Navisworks
 - Creation of 4D- 5D (Time-Cost) simulations in Navisworks to visualize project progress and use of Dynamo for process automation
- 2. Bike sharing system optimization using Data Mining Approach.** | April 2023
 - Cleansing of data and identifying correlation of weather data on number of trips
 - Predicting the number of arrivals and departures at a specific time, based on correlated attributes, using various machine learning algorithms
 - Model performance and evaluation using F1-score, precision, recall, and ROC-AUC curve etc. metrics
- 3. Broccolini, Parkhill Industrial Building cost estimation (Milton, Ontario).** | December 2022
 - Closely analyzing both architectural and structural drawings using Bluebeam Revu, completed precise quantity take-offs (QTO), and employed for accurate cost estimation using both RS Means and Broccolini price lists
 - Prepared detailed cost estimation for industrial building in Milton, Ontario

HONERS AND AWARDS

- Awarded Silver Medal by “The Institute of Civil Engineering & Architects, Surat” for Securing Second Rank In S.T.B.S College of Diploma Engineering. | (2019)
- Ranked among the top 5% performers in a 6-week training program on STAADpro from Internshala (2020)
- Completed a 4-month Nanodegree program on Introduction to Programming from Udacity (2020)
- Certified Associate in Project Management (CAPM) certification by PMI ranked in top 25%. | (2022)