

RIDDHI DAVE

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SUMMARY

- Highly motivated BIM Management professional with 3+ years of experience in the preparation of construction drawings, and documents also supervising activities on site; seeking opportunities to apply my technical proficiency in the field of Virtual Design Construction, engineering, and project management.

SOFTWARE SKILLS

- Auto-CAD, Revit, Navisworks, IES Energy Modeling, Civil 3D, 3D Scanning, BIM 360, Dynamo, Sketch-Up, Adobe Photoshop, MS Office - MS Project, MS Word, MS Excel, MS PowerPoint, Outlook

EDUCATION

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| • BIM MANAGEMENT | George Brown College, Toronto | Jan 2023 – Dec 2023 |
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Coursework: -

- Developed Revit Architecture massing and 3D model of Hotel Building.
- Generated Revit structural and MEP systems model of School Building.
- Generated Quantification, Clash Detection, and Simulation of Institutional Building in Navisworks.
- Created Building Execution Plan, and design development for Project Planning.
- Research on Capstone Project – Integrating BIM with Artificial Intelligence
- Used IES Energy Modeling Software for Energy Calculation and Optimization.
- Conducted 3D scanning of George Brown College Building using FARO Scanner.

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| • BACHELOR OF ARCHITECTURE | VNSGU, India | Aug 2013 – April 2019 |
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Coursework: -

- Designed Residence with an office for Architect – 2500 sq.m. Area.
- Designed Hospital as per the Health Care standards and by-laws – 50 beds Capacity.
- Designed a Housing Complex for the government scheme – Housing for all.
- Proposed the redevelopment of Surat City Fort Street as part of Urban Planning.
- Designed a Sustainable Healing Centre – Thesis Project

PROFESSIONAL EXPERIENCE

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| <u>FREELANCE ARCHITECT A. SPACE, INDIA</u> | June 2019 – Oct 2022 |
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Residence Project (Turnkey)– 1500 sq.m, Budget – 3 million INR.

- Prepared **detailed construction drawings** including Plans, Elevations, Sections, and Details.
- Reviewed **specifications as per building codes** and design instructions.
- Regular **monitoring site activities, and coordinating meetings** with clients, contractors, and different trades for project-related inquiries and updates.
- **Resolved conflict** in the project, resulting in around **20% cost reduction** and maintaining the overall estimated budget with the collaboration and assistance of the team.

Commercial Project – 2000 sq.m., Budget – 3.6 million INR.

- Designed a commercial complex that included retail shops, offices, and an eatery. The design followed all the required protocols to be followed as per Indian standard byelaws and Development Control regulatory board.
- **Design Consultancy** - Consulting service for installing solar panels, designing solutions for low-cost interior design, sustainable solutions, and Exterior Facade Design.

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JUNIOR ARCHITECT | MINDSCAPE DESIGN, INDIA

Jan 2020 – July 2020

Industrial Project | Diamond Factory -9075 sq.m. Area, Budget – 70 million INR.

- Collaborated with the design team and **proposed sustainable design solutions**, attended regular meetings with stakeholders and clients for the approval of design proposals.
- **Energy efficient technologies and materials** – solar power system, greywater harvesting system, rooftop organic farming (Shortlisted in World Architecture festival for the production energy and Logistics award)
- **Planning of Farmhouse** – Sustainability Project - Preparing drawings for the project to be sent for **Competition and Architectural Awards Category.**

PROJECT INTERN | RAHUL SHAH ARCHITECTS, INDIA

Jan 2018 – Sept 2018

Project-1 AGL Tile Showroom

- Assisted in preparing **construction project schedules** and aligning activities with **project timelines**.
- Supported the Project Manager and site supervisor in **project administration** and managing activities on site.
- Assisted in preparing **Cost estimation** by contacting different trades to receive the **BOM and pricing**.
- Assisted in formulating **bid proposal packages** including construction specifications for project tendering and construction.

Project-2 LEED – Reliance Township

- Assisted in **preparing detailed construction drawings** and **3D models** including architectural, structural, electrical, and HVAC services.
- Assisted in preparing documents for **LEED India** documentation for sustainability credentials including Environment and Construction management plan.
- Pitched proposal and **design presentations** along with calculations to clients and stakeholders periodically.

PARTICIPATION

- Buildathon Event 2015 – Public Art Installation using natural materials – wooden (Bamboo) geodesic dome.
- Buildathon Event – 2016 – Construction of Brick Arch on the Site.
- Jump the gap design competition – ROCA International Design Contest – Sanitation for All (**UN 2030 Agenda for Sustainable Development**) under the category of Wellness and Health

VOLUNTEER

- Vocal for Local (Building Materials) – PAN India
- Created awareness among underprivileged children for a better quality of life (Health & Education)
- Mentored 50 college students to work on LEED India guidelines and created presentations as well as quizzes for awareness for LEED.
