

Raksha H D

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PROFESSIONAL SUMMARY

Civil Engineer with 2 years of professional experience in residential projects, specializing in 2D and 3D design drawings for homes and kitchens. Skilled in applying engineering principles to plan, design, and execute projects with precision, ensuring structural integrity, functionality, and aesthetic appeal. Proficient in translating client requirements into detailed technical drawings while collaborating effectively with stakeholders to deliver high-quality results.

WORK EXPERIENCE

H R Creations

June 2024 – Currently Working

- Developed detailed 2D and 3D architectural and structural drawings for residential projects using AutoCAD 2D and Revit, ensuring accuracy and compliance with design standards.
- Created realistic 3D visualizations and walkthroughs for homes and kitchens using SketchUp, V-Ray, and Enscape, enhancing client understanding and approval speed.
- Conducted structural analysis and load calculations using STAAD.Pro, supporting safe and efficient construction designs.
- Collaborated with clients and contractors to translate requirements into functional design solutions, improving project delivery timelines by 15%.
- Maintained comprehensive project documentation and revisions, ensuring alignment with client specifications and engineering standards.
- Assisted in optimizing design workflows by integrating Revit and AutoCAD processes, reducing drafting time and errors.

SKILLS

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|-------------------|--------------------------|-------------------------------------|
| • AutoCAD 2D | • Lumion | • Site Supervision & Quality Checks |
| • Revit | • Enscape | • Construction Materials Knowledge |
| • Google SketchUp | • Microsoft Office Suite | |
| • STAAD.Pro | • Quantity Estimation | |
| • V-Ray | • ETABS | |

INTERNSHIPS & CERTIFICATIONS

Internship Certificate of REVIT issued by ZESTECH.

Jan 2024

- Gained hands-on experience in Revit by creating 3D models, floor plans, elevations, and sections for architectural and structural designs.
- Applied Building Information Modelling techniques to improve design accuracy, coordination, and visualization across project workflows.

Internship Certificate of Google SketchUp issued by Inner voice CADD academy.

Feb 2024

- Developed 3D models and visualizations using Google SketchUp, enhancing conceptual design presentations and client-ready outputs.
- Applied modeling techniques to create accurate structures and layouts, improving efficiency in design interpretation and project planning.

Internship Certificate of ETABS issued by Inner voice CADD academy.

Mar 2024

- Performed structural analysis and modelling in ETABS, focusing on multi-storey building frameworks and load distribution.
- Applied design concepts to evaluate structural stability, ensuring compliance with safety and engineering standards.

EDUCATION

S Manasa School

High School

Mar 2017

Sri Dharmasthala Manjunatheshwara Polytechnic Ujire (SDM)

Diploma in Civil Engineering

Mar 2020

Adichunchanagiri Institute of Technology

Bachelor of Civil Engineering

Mar 2024

PROJECTS

- “An Experimental Study on Strength Parameters of Composite Gypsum False Ceiling”.
- “An Experimental Study on Water Resistant Bricks Using Waste Materials”.

LANGUAGES

- English
- Kannada
- Hindi

SOFT SKILLS

- Critical Thinking
- Public Speaking
- Problem Solving

DECLARATION

I Solemnly declare that the information mentioned above is true and correct to the best of my knowledge and belief.