

RAYAPA TARAKA RAMA *BIM ENGINEER*

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Profile

A dedicated BIM Engineer with 2 years of experience in structural and architectural modeling. Proficient in BIM tools and workflows, with a strong focus on accuracy, coordination, and efficiency. Experienced in delivering detailed, clash-free models and documentation, supporting seamless collaboration across disciplines. Committed to enhancing project outcomes through innovative design solutions and effective BIM implementation

Education

SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGIES, Civil Engineering 08-2019 – 04-2023 | Narasapuram, India

NARAYANA JUNIOR COLLEGE, Board of Intermediate Education 04-2017 – 03-2018 | Vijayawada, India

NARAYANA ENGLISH MEDIUM SCHOOL, Board of Secondary Education 04-2016 – 03-2017 | Palakollu, India

Professional Experience

BIM Engineer Hyderabad, India

- Worked with Revit, Navisworks, and AutoCAD to create detailed structural and architectural BIM models for different projects.
- Collaborated with teams from various disciplines to ensure models were accurate and free of design clashes
- Assisted in creating design documents and detailed construction plans that met the project's needs.
- Helped maintain BIM standards to ensure consistency and quality across all projects.
- Improved workflow efficiency by using BIM tools to streamline project delivery and reduce errors.

Projects

MICROSOFT DATA CENTER 04-2025 – present

- Prepared detailed architectural sheets in Revit for a Microsoft Data Center project at LOD 500, ensuring accurate documentation and adherence to client specifications.
- Collaborated with project teams to deliver high-quality deliverables, meeting client requirements and project timelines.

NEWMARK 11-2024 – present

- Provided 3D models using Revit for a high-rise skyscraper project.
- Delivered accurate concrete quantity estimations for the project.
- Generated detailed wall elevations for every flat using Autodesk Revit and AutoCAD.
- Conducted on-site rebar inspections to ensure compliance with design specifications.

MAYFAIR GATEWAY 10-2024 – present

- Managed the architectural and structural 3D modeling for a high-rise skyscraper using Revit, AutoCAD, and Navisworks
- Provided precise concrete volume estimations to ensure accurate project documentation.
- Collaborated with design, engineering, and construction teams to ensure smooth project progress and timely delivery.
- Contributed to completing the project on schedule while meeting client specifications.
- Ensured high-quality work and accurate details to support the project's success.

YESHIVA SCHOOL, Scan to Bim 05-2025 – 05-2025

- Developed an accurate 3D architectural model of a Yeshiva school in New York using Autodesk Revit as part of a Scan-to-BIM workflow.
- Converted point cloud data captured by NavVis into a detailed Building Information Model (BIM), ensuring precise renovation planning.
- Enabled seamless collaboration between design and engineering teams through effective BIM integration.

QUALCOMM 06-2023 – 03-2024

- Played an integral role in the Qualcomm commercial project in Chennai, delivering a Level of Development (LOD) 350 BIM model for accurate design coordination and construction planning.
- Produced comprehensive room elevation drawings and a detailed 3D model using Autodesk Revit, improving project documentation quality.
- Enhanced cross-team collaboration by providing precise and clear visual representations, supporting effective coordination between design and construction teams.

- Worked on the retaining wall design for 180 villas, creating accurate 3D models using Autodesk Revit and AutoCAD.
- Contributed to the design and modeling of a mockup villa to ensure consistency and quality across the project.
- Provided precise concrete quantities to support accurate construction planning and material estimation.

Technical Skills

Revit	● ● ● ● ●	Navisworks	● ● ● ● ●
Autocad	● ● ● ● ●	Adaptability	● ● ● ● ●
Problem-Solving	● ● ● ● ●	Collaboration & Communication Skills	● ● ● ● ●

Certificates

Certified Professional Autodesk Revit Achitecture

Extra curricular Activities

AI Assistant Plugin Development for Revit

Collaborated with a multidisciplinary team to design and implement an AI-powered plugin integrated into Autodesk Revit. This tool leverages advanced algorithms to assist users by automating repetitive tasks and enhancing workflow efficiency. The project involved extensive research, coding, and testing phases, culminating in a functional prototype that streamlines design processes within the BIM environment.