CONTACT

E.Mahavishnu Sanmugam

MB 293 TNHB COLONY TAMIL NAGAR SECTOR 1&2 KOODALPUDUR MADURAI
17.NEAR VAIGAI APARTMENT &OPPOSITE TO SHRINE NURSURY SCHOOL.

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OBJECTIVE

3D Civil Designer with 3+ years of hands-on experience in AutoCAD, Revit, SketchUp, and Lumion. Skilled in drafting 2D plans, developing 3D models, rendering, and client communication. Experience includes freelance civil design and CAD training. Seeking full-time or freelance roles in civil and architectural visualization

EXPERIENCE

3-7-2019 - 3-8-2022

- **Civil Designer**
  Roman Construction Design Engineering-Paramakudi
  Designed residential/commercial layouts and 3D elevationsDelivered renderings using Autocadd for client presentations
  Coordinated with clients for design approval and feedback.

29-9-2022 - 1-11-2023

- **AutoCAD,Revit, SketchUp Trainer – Cadd Centre**
  Cadd Centre - Madurai (Iyyerbungolow)
  Trained students in AutoCAD, Revit, SketchUp fundamentals and real-time projects.Provided individual support for project work.

1-12-2023 - 30-05-2024

- **Remote Job**
  Freelance Civil Designer
  Designed residential/commercial layouts and 3D elevations

1-06-2024 - Still

- **AutoCAD, SketchUp, Lumion Designer & AutoCAD, REVIT, SketchUp, Lumion Trainer**
  Hi-Tech CAD CAM Centre-Madurai
  Created detailed 2D & 3D civil plans
  Supported design projects and revisions for client requirements

EDUCATION

2016

- **Naga Siva Polytechnic College**
  Diploma in Civil Engineering
  72%

2019

- **Ganapathy Chettiar College of Engineering and Technology**
  Bachelor's in Civil Engineering
  6.8 CGPA

SKILLS

- AutoCAD (2D & 3D Drafting)
- Revit Architecture
- SketchUp Modeling
- Lumion Rendering
- Civil Plan & Elevation Drawing
- 3D Visualization
- CAD Software Training
- Freelance Client Handling
- HTMl5
- CSS3

PROJECTS

- **Low Cost Building Design**

Designed a cost-effective residential building model focusing on economical materials and efficient space planning.

Developed 2D plans using AutoCAD and prepared 3D visualizations using SketchUp.

Emphasized energy-saving techniques and low maintenance structure concepts.

Software Used: AutoCAD, SketchUp

- **Soil Testing for Civil Engineering Projects**
Soil Testing for Civil Engineering Project
Description:

Conducted soil sampling and performed soil bearing capacity (SBC) tests.

Analyzed results to determine suitability for residential and commercial foundations.

Prepared technical report for site feasibility.

Tools Used: Field test kits, Laboratory equipment

- **Gas Cylinder Approvals Layout Design**
Designed a safe and efficient gas cylinder storage layout following industrial safety standards.

Created 2D layout plans for proper cylinder placement, ventilation, and safety access.

Ensured compliance with standard civil engineering safety guidelines.
Software Used: AutoCAD

- **Vasthu-Based Residential Planning**
Planned residential building layout as per traditional Vasthu Shastra principles.

Focused on proper room placement (kitchen, bedrooms, entrance) and sunlight ventilation.

Delivered complete working drawing set with vasthu compliance markings.

Software Used: AutoCAD

- **Thuvariman Area Mapping Project**
Conducted site survey and developed detailed layout map of Thuvariman region.

Used AutoCAD to prepare boundary marking, plot divisions, and road mapping.

Assisted in preparing layout approval documents for submission.

Tools Used: AutoCAD,

- **Vasthu Plan & Design Project**

Designed residential house layouts fully following Vasthu Shastra guidelines.

Focused on correct placement of living rooms, bedrooms, kitchens, toilets, and main entrances as per Vasthu directions

Prepared 2D floor plans in AutoCAD and created 3D visualization using SketchUp.

Provided clients with Vasthu compliance report along with final drawings.

Software Used: AutoCAD, SketchUp

INTERESTS

- Gym and Fitness (Weight Loss Focus)
- Ajith Movies (Fan of Tamil Cinema, Enjoy watching action-packed movies)
- Building Design and Visualization
- Vasthu-Based House Planning
- Sketching Architecture Concepts

LANGUAGES

- Tamil
- English