

Aswin TR

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PROFESSIONAL SUMMARY

Professional Summary Civil Engineering undergraduate with hands-on experience in drafting, 3D modeling, and site-based surveying. Proficient in AutoCAD, Revit, SketchUp, and BIM workflows for residential and infrastructure projects. Experienced in road surveying, dam inspection, and cost-effective construction planning. Strong foundation in interior layout design, quantity estimation basics, and technical documentation.

EDUCATION

B.Tech in Civil Engineering (APJAKTU)	2024 – Present
<i>Vidya Academy of Science and Technology, Thrissur</i>	<i>Kerala, India</i>
Diploma in Civil Engineering (SBTE)	2021 – 2024
<i>Maharaja's Technological Institute, Thrissur</i>	<i>Kerala, India</i>
Class X (THSLC)	2021
<i>Technical High School, Thrissur</i>	<i>Kerala, India</i>

TECHNICAL SKILLS

Civil Design Softwares: AutoCAD, Revit, SketchUp, STAAD Pro, Navisworks

Project and construction tools: MS Project, Primavera P6, MS Excel

3D modeling and Rendering: Autocad 3D, Blender, 3ds max, V-Ray

Programming and Automation: Python, HTML, CSS, React.js

Presentation Visualization Tools:

Photoshop (Render Post-Processing and Mood Boards)

Illustrator (2D Presentation Plans and Layouts)

Premiere Pro (Design Walkthrough Videos)

After Effects (Concept Animations – Basic)

Other skills: Bim Coordination, Drafting, Interior layout planning, Quantity estimation (basic), UI/UX

LANGUAGES

English: Professional Working Proficiency (C1)

German: A1 (Learning A2)

Malayalam: Native Proficiency

Hindi: Elementary Proficiency

PROJECTS

Socio-Economic Construction Practice Interface

Cost-effective construction methodology

2024

AutoCAD, Revit, Excel, React.js

*) Designed residential layout plans and 3D models based on user-defined budget constraints.

*) Performed basic cost analysis using material rate comparisons and space optimization.

*) Researched eco-friendly and cost-effective construction materials for low-income housing.

*) Integrated planning logic to assist in decision-making during early-stage project design.

WORK EXPERIENCE

Dam Inspection Intern

Chimmini Dam (Onsite)

May 2025

Thrissur, Kerala, India

- *) Studied structural components, safety systems, and maintenance procedures of a major dam.
- *) Conducted visual inspection of earth and masonry sections to identify settlement and distress.
- *) Observed and documented sluice and spillway gate operations.

Road Surveying Intern

Vadakkancheri Block (Onsite)

June 2024

Thrissur, Kerala, India

- *) Conducted road surveying using auto level for road extension and pipeline alignment works.
- *) Documented sluice and spillway gate operations under supervision.

CERTIFICATIONS & ACHIEVEMENTS

Autodesk AutoCAD — CAD Space

Autodesk Revit — CAD Space

Interior Designing — CAD Center

EXTRA-CURRICULAR ACTIVITIES

College Media

2024 – present

Handle photography, videography, and social media content for college events.

Collaborate with team members to organize media coverage and presentations.

Developed skills in video editing, graphic design, and event documentation.

National Cadet Corps (NCC)

2021 – 2024

Attended Army Attachment Camp in Bangalore, India

Visited Para SF and Madras Regiment units as part of the Army attachment camp.

Gained experience in discipline, team coordination, and high-pressure training environments.

DECLARATION

I hereby declare that the information provided above is true and correct to the best of my knowledge.

Place: Thrissur

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