

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

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

2024

Cost-effective construction methodology

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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