

# Aaqil Shihab

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## ABOUT ME

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I am a highly motivated Civil Engineering student with a passion for Building Information Modeling (BIM) and architectural design. I am eager to apply my expertise in architectural and structural drawings to contribute effectively to BIM projects. I am a quick learner and I am excited to utilize my skills and knowledge to drive innovation in the construction industry.

## EDUCATION

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**B.Sc. Engineering (Hons) in Civil and Environmental Engineering**      AUG 2019 - PRESENT

**Faculty of Engineering, University of Ruhuna, Sri Lanka**

- ✓ *Relevant coursework:* Structural Analysis, Building Design, Construction Management, Geotechnical Engineering, Environmental Engineering, BIM Applications in Civil Engineering.

### GCE ADVANCED LEVEL

MAY 2020

**Sammanthurai Muslim Madhya Maha Vidyalaya**

- ✓ *Subjects:* Mathematics, Physics, Chemistry
- ✓ *Grades:* [Please add your grades here]

## RESEARCH PROJECTS

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### Project Title (If you have any)

- ✓ [Include your accomplishment related to the project, e.g., "Developed a structural analysis model for a new bridge design."]
- ✓ [Include your accomplishment related to the project, e.g., "Prepared a feasibility study for a sustainable building project."]

## PRESENTATIONS

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- ✓ "Sustainable Building Design Using BIM" - Student Conference, University of Ruhuna, Sri Lanka, 15 October 2021.
- ✓ "Innovative Construction Methods for Infrastructure Projects" - Civil Engineering Department Seminar, University of Ruhuna, Sri Lanka, 5 March 2023.

## SKILLS

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### Technical Skills

- **Autodesk AutoCAD:**
  - ✓ Developed architectural drawings for a residential project.
  - ✓ Created detailed site plans and elevations using AutoCAD.
  - ✓ Collaborated with architects to ensure design accuracy.
- **Autodesk Revit Architecture:**
  - ✓ Created 3D models and visualizations for a commercial building project.
  - ✓ Utilized Revit to develop construction drawings and specifications.
  - ✓ Performed clash detection to identify potential conflicts in the design.
- **Autodesk Revit Structure:**

- ✓ Developed structural drawings and analysis for a bridge project.
- ✓ Conducted structural analysis using Revit Structure to ensure compliance with design standards.
- ✓ Prepared reinforcement details and specifications for concrete structures.
  - **Autodesk Civil 3D:**
- ✓ Designed and analyzed road profiles and alignments for a highway project.
- ✓ Generated construction plans and profiles using Civil 3D.
- ✓ Performed drainage design and analysis for stormwater management.
  - **Twinmotion:**
- ✓ Created high-quality renderings and animations for a proposed building design.
- ✓ Utilized Twinmotion to create immersive visualizations for presentations.
  - **SketchUp:**
- ✓ Modeled and designed various architectural elements for a school project.
- ✓ Created detailed 3D models of interiors and exteriors using SketchUp.
  - **Enscape:**
- ✓ Rendered and visualized architectural designs in real-time.
- ✓ Generated photorealistic visualizations for design presentations.

### Soft Skills

- ✓ Communication: Excellent verbal and written communication skills, with the ability to present technical information effectively.
- ✓ Teamwork: Skilled at collaborating with team members to achieve project goals.
- ✓ Adaptability: Able to quickly learn new technologies and adapt to changing project requirements.
- ✓ Leadership: Demonstrated leadership skills in coordinating tasks and projects.
- ✓ Decision Making: Strong analytical skills and the ability to make informed decisions.
- ✓ Time Management: Efficient time management skills and the ability to meet deadlines.

### Languages

- **Tamil:** Native Language
- **English:** Fluent
- **Sinhala:** Proficient

## PROFESSIONAL QUALIFICATION

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**Diploma in AutoCAD 2D** 03 MAY 2023

Udemy

**CIVIL ENGINEERING STRUCTURAL SHOP DRAWING IN AUTOCAD** 21 JULY 2023

Udemy

**AUTODESK REVIT (Beginner to Intermediate Level)** 2023

Udemy

## EXPERIENCE

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**Secretary of IWASD Organization** 2021 - PRESENT

Sammanthurai

- ✓ Organized and managed events for the IWASD organization.
- ✓ Coordinated with members to plan and execute events.
- ✓ Maintained accurate records of membership and activities.

**Lead Graphic Designer of Dreamdesigns** 2021 - PRESENT

Sammanthurai

- ✓ Created logos, marketing materials, and website designs for Dreamdesigns.
- ✓ Utilized design software to produce high-quality visual assets.
- ✓ Collaborated with the team to develop a cohesive brand identity.

## CO - CURRICULAR INVOLVEMENTS

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- ✓ Member of CEES (Civil Engineering Engineering Society) at Faculty of Engineering, University of Ruhuna
- ✓ Member of IET (Institution of Engineering and Technology) at Faculty of Engineering, University of Ruhuna

## PUBLICATIONS

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### Journal Articles

- ✓ Authors-names in APA format. (20XY) Title of your publication. *Journal Name*, **vol**(issue no): pages. DOI: 10.0000/j.jtbi.20XY.0000.
- ✓ Ali, W., Overton, C.E., Wilkinson, R.R. & Sharkey, K.J., (20XY) Deterministic epidemic models overestimate the basic reproduction number of observed outbreaks. *Infectious Disease Modelling*, **9**(3):680688. DOI: 10.1016/j.idm.20XY.02.007.

### Preprint(s)

- ✓ Morison, C., Fic, M., Marcou, T., Mohamadichamgavi, J., Ant. R., Sayyar, G., ... & Ali, W. (20XY). Public Goods Games in Disease Evolution and Spread. arXiv preprint arXiv:2402.17842.

## REFERENCES

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References available upon request.