



AKILA GUNASEKARA

Civil Engineer [AMIE(SL)]

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Maharagama, Colombo
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PROFESSIONAL SUMMARY

Aspiring Structural Design Engineer with a BSc. (Hons) in Civil Engineering and Associate Membership of IESL. Proficient in structural analysis, design, and modeling of both building structures and water retaining structures using ETABS, SAP2000, Prokon, AutoCAD, and Revit (BIM). Experienced in local and international projects including the Rajshahi WASA Water Supply Project in Bangladesh. Strong in structural detailing, interdisciplinary coordination, and site supervision. Dedicated to delivering sustainable, compliant, and efficient engineering solutions.

CAREER SUMMARY

- Junior Civil Engineer** Oct 2024 – Present (Ongoing)
Ceywater Consultants Private Limited, Dehiwala, Sri Lanka
Key duties and responsibilities:
 - Conducted structural modeling and analysis using structural design software, ensuring compliance with local and international standards.
 - Participated in the Rajshahi WASA Water Supply Project in Bangladesh, attending client meetings with Hunan Construction Engineering Group Corporation to review designs and discuss project developments.
 - Collaborated with multidisciplinary teams including architects and consultants.
 - Utilized SAP2000, ETAB Prokon, and other structural engineering software.
- Civil Engineer (Trainee)** Feb 2023 - Aug 2023
Science and Technology Human Resource Development Project (STHRDP), Ministry of Education, Colombo, Sri Lanka
Key duties and responsibilities:
 - Monitored civil construction work and conducted site visits to ensure compliance with design specifications and safety standards.
 - Collaborated with project teams to prepare and review documentation and progress reports.
 - Experienced in AutoCAD for design and Microsoft Office for documentation and reporting.
 - Represented engineering team in meetings with clients and contractors to review project progress.
 - Assisted in preparing reports, plans, and schedules for engineering projects.
 - Conducted site assessments and ensured compliance with local construction codes and regulations.
 - Provided technical support during construction and handled daily site activities to maintain quality.

ACADEMIC QUALIFICATIONS

- BSc Eng Hons in Civil Engineering** 2019 – 2024
University of Sri Jayewardenepura, Sri Lanka
Overall GPA - 3.61/4.0, Second Class Honours (Upper Division)
- Diploma in Revit Architecture** 2024 – Present
ArchiTech CAD Academy - Sri Lanka
- G.C.E. Advanced Level Examination** Aug 2018
Poramadulla Central College, Rikillagaskada, Sri Lanka
 - Results : Chemistry - A, Physics - B, Combined Mathematics - B
- G.C.E. Ordinary Level Examination** Dec 2013
Poramadulla Central College, Rikillagaskada, Sri Lanka
 - Overall Results : 6A, 3B

KEY COMPETENCIES

AREAS OF EXPERTISE

- Structural Analysis & Design
- Geotechnical Engineering
- Construction Management
- Surveying & Hydrology
- Sustainable Engineering
- Material Science
- Safety Compliance

TECHNICAL SKILLS

- SAP 2000
- ETABS
- AutoCAD
- Revit Architecture (BIM)
- ArcGIS
- MS Project
- Microsoft Office Package

SOFT SKILLS

- Team Collaboration
- Leadership
- Problem-Solving & Analytical Thinking
- Time Management
- Communication Skill

RESEARCH AND PROJECT EXPERIENCE

- **Final Year Research Project** 2023 – 2024
Development of Green Concrete Partially Containing Locally Available Recycled Glass Wastes
Researched sustainable alternatives to traditional concrete by integrating recycled waste glass into the mix, aiming to advance eco-friendly construction practices within the industry.
- **Comprehensive Design Project- Final Year Design Project** 2023-2024
Mixed Development Project for Municipal Council Kurunegala, Sri Lanka
Led a team in the structural design of a shopping mall and public parking facility, utilizing industry-standard software including AutoCAD, Revit, SAP 2000, ETABS, and SAFE for detailed modeling and analysis.
- **Preliminary Plan Development** 2023
Mahindodaya Primary School in Dambadeniya.
Collaborated with the Civil Engineering Society at the University of Sri Jayewardenepura conducted survey to create a master plan for school infrastructure development.
- **Survey Camp** 2023
 - Participated in a two-week survey camp in Galgamuwa, Sri Lanka, focusing on hydrological infrastructure development.
 - Worked with a team to develop solutions to achieve zero hunger by optimizing water distribution in the right bank canal of the Palukadawala area.

CERTIFICATIONS AND ONLINE COURSES

- **Construction Management - Columbia University** 2024 – Present
5-Course Specialization: Construction Project Management, Construction Scheduling, Construction Cost Estimating, Cost Control Construction Finance and The Construction Industry - The Way Forward
- **Concrete Multi - Storey Building - System Design- L&T Edu Tech** 2024-Present
3 Course Specialization: Design Basics of RCC Buildings, Structural Scheme Setting and ETABS Analytics Design and detailing of RCC elements.
- **Awareness on Construction Equipment Operation- Construction Machines Operator** Aug 2024
Training College, Galkulama, Sri Lanka
- **Advanced AutoCAD - OCCS Academy, Sri Lanka** 2023

PROFESSIONAL AFFILIATIONS

- Associate Member of Institute of Engineers, Sri Lanka (IESL) - AM32875
- Associate Member of Engineering Council, Sri Lanka (ECSL) - 219274

LANGUAGE PROFICIENCY

English: Working Proficiency
Sinhala: Native

REFERENCE

Prof. K.M.C. Konthesingha

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Ph.D.(Newcastle),AMIE Sri Lanka
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A.M.D.J. Amarapathy

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