








CHARITH JAYASHANKA

CIVIL ENGINEERING UNDERGRADUATE

CONTACT

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 Kakundeniya, Beralapanathara, Matara

EDUCATION

B.Sc. Engineering (Hons)

- Department of Civil Engineering, University of Moratuwa (2020 -Present)
- CGPA: 3.16
- Semester 7: SGPA 3.75

GEC A/L Examination

- Richmond College Galle (2016 -2018)
- Three 'A' passes for Combined Mathematics, Chemistry, and Physics.
- District Rank: 44, Island Rank: 370
- Z-Score: 2.0832

GEC O/L Examination

- Deniyaya Central College (2005 -2015)
- Eight 'A' passes and One 'C' passes.

PROFILE

"A hard-working civil engineering undergraduate with a strong intention to explore new trends to move forward as a full-stack civil engineer. Always try to learn something new and loves to work collaboratively as a team"

WORK EXPERIENCE

● Sri Lanka Port Authority (Colombo Port)

Civil Engineer Intern | Jan 2023 - June 2023

I was privileged to experience a vast area of marine and hydraulic structures from substructure to superstructure construction and project commissioning. In addition to site experience, a two-week design office experience under the guidance of an expert in the field.

Construction Sites:

- Eastern Container Terminal Phase II
- Jaya Container Terminal Phase V
- Workshop building complex

● Surveying Camp

Design of a Holiday Resort with Chalets | 27 Nov 2023 - 9 Dec 2023

- Completed an intensive two-week survey camp focused on practical applications of survey methods, utilizing Total Stations and automatic leveling instruments.

PROJECT

● Final Year Research Project | June 2023 - April 2023

Nearshore Wave Energy Resource Assessment for Southern Coast of Sri Lanka

- Conducted an in-depth study using high-resolution numerical modeling, incorporating data derived from previous research. Employed **Delft3D** for the development of a sophisticated numerical model, while utilizing **Python** and **MATLAB** for detailed analysis.

TECHNICAL SKILL

Softwares

- Delft3d
- Civil3d
- AutoCAD
- Revit
- Lumion
- SAP2000
- ETABS
- PRIMAVERA
- ArcGIS
- HEC-RAS
- HEC-HMS

Programming Language

- Python
- MATLAB

INTERESTED IN

- Hiking
- Traveling
- Drawing Arts
- Taekwondo
- Cricket
- Photography

LANGUAGES

- Sinhala - Native
- English - Professional working proficiency

SOFT SKILLS

- Leadership
- Teamwork
- Solution Oriented
- Passionate
- Analytical Skills
- Time Management

- **Comprehensive Design Project | June 2023 - April 2023**

Commercial Development Project at Mathugama

- Demonstrated strategic decision-making through a comprehensive SWOT analysis and Feasibility study, resulting in the selection of a Rubber Factory and Research Building as the most suitable alternative.
- Executed social and traffic surveys to inform the architectural design, ensuring community alignment and traffic optimization.
- Leveraged expertise in architectural design to create a realistic model, integrating sustainable practices to reduce environmental impact.
- Applied advanced structural design principles and conducted precise load calculations.

A C H I E V E M E N T S

- JLPT N5 course conducted by Kashikoi Japanese Center.
- Engineering Project Management Scope, Time, and Cost by Rice University. (Ref : [1c6abbe55729ee643b4213b1517d](#))
- Revit for Architectural Design Exam conducted by Autodesk Inc with Coursera. (Ref : [a0c79764dfd8ffdc0fc587a2c7ac0](#))
- AutoCAD for Design and Drafting Exam conducted by Autodesk Inc with Coursera. (Ref : [cc9b0b8aec8e8c6f5be77df8e98](#))
- Engineering Project Management Initiating and Planning by Rice University. (Ref : [bcb38ba689d2df37c7fe724b329](#))

EXTRA- CURRICULAR ACTIVITY

- Social Media marketing head in "Suhastha 2022" o/l seminar series conducted by civil engineering society University of Moratuwa.
- Member of University nature club.
- Member of University Taekwondo team
- Member of Science Society in Richmond College

REFERENCES

Dr. Kasun De Silva

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