



# CHARITH JAYASHANKA

CIVIL ENGINEERING UNDERGRADUATE

## CONTACT

- My Portfolio
- +94712895170
- Charith Jayashanka
- charithjayashanka99@gmail.com
- 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' pass.

## PROFILE

Self-motivated Civil Engineering undergraduate with strong analytical and problem-solving skills. Eager to apply theoretical knowledge in a practical setting, collaborate in team environments, and contribute to real-world projects. Seeking an opportunity to make meaningful contributions to the field as a Civil Engineer.

## WORK EXPERIENCE

### • Sri Lanka Ports Authority (Colombo Port)

Civil Engineering Intern | Jan 2023 - June 2023

- Experience in marine and hydraulic structures from substructure to superstructure construction.
- Gained hands-on experience in project commissioning.
- 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 - 09 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 2024

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 SKILLS

### Softwares

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

### Programming Languages

- 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 2024

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.
- 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](#))
- Engineering Project Management Scope, Time, and Cost by Rice University. ( Ref : [1c6abbe55729ee643b4213b1517d](#))

## 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

Department of Civil Engineering  
Faculty of Engineering  
University of Moratuwa  
Sri Lanka  
Email: [kasunchiranthu@uom.lk](mailto:kasunchiranthu@uom.lk)  
Phone: +94779694547

### Mr. K.A.R.Chanaka

Deputy Chief Engineer  
Contracts & Designs Division  
Sri Lanka Ports Authority  
Colombo 01  
Email: [ruchira@slpa.lk](mailto:ruchira@slpa.lk)  
Phone: +94702607212