

# Nilakna Disiwari Warushavithana

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## Summary

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An enthusiastic student in electronics and telecommunication engineering who strives to enhance knowledge and solve real life problems. Interested in robotics projects and research. Active hockey player and keen musician.

## Education

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**University Of Moratuwa, Sri Lanka**, Undergraduate

2023 - 2027

- B.Sc.(Hons) in Engineering (UG) in Electronics and Telecommunication
- GPA: 4.0/4.0, Dean's list

**Visakha Vidyalaya, Colombo**

2013 - 2022

- **G.C.E. Advanced Level 2021(2022)**, Physical Science Stream
  - Island 6th, Colombo District 3rd
  - 3 As for Combined Mathematics, Physics, Chemistry with 2.8644 Z-score
- **G.C.E. Ordinary Level 2018**
  - Island 1st,
  - 9 A's for Mathematics, Science, Information and Communication Technology, Geography, English, Sinhala, History, Religion, Western Music

## Experience

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**SLT Mobitel, Engineering Office**, Network Planning Division, Intern

Welikada, Sri Lanka

- Developed a programme for realtime license plate recognition of Sri Lankan vehicles.

Oct 2023 - Jan 2024  
3 months

## Skills

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### Technical Skills

- Programming: Python, C++
- Web development: Flask, PHP, HTML, CSS, Javascript
- Software: Unity, Android Studio, Arduino, Omnett++, Matlab, LTSpice

### Soft Skills

- Languages: English, Sinhala

## Achievements

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**Silver Medaalist** National Chemistry Olympiad 2022

**Island 6th** G.C.E. Advanced Level Physical Sciences 2021

**Island 1st** G.C.E. Ordinary Level 2018

## Awards and Scholarships

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**University of Moratuwa**

**Visakha Vidyalaya**

- Susan George Pulimood Educational Trust Scholarship 2021 for the **best all round** performance in academic and extra-curricular activities
- **Best All Rounder of the school** 2020 Award, Mrs. Jeremias Dias memorial gold medal, Mr. and Mrs. A. De A. Rajapakse memorial shield and trophy

- **Best All Rounder of the Junior Secondary section** 2018 award and trophy
- **Head Prefect** of the school 2020 award and trophy
- Prize for the **best results** of school at G.C.E. **A/L** 2021 in physical science stream, Mr. S Thilakarathne memorial gold medal and Trophy
- Prize for the **best results** of school at G.C.E. **O/L** 2018 and trophy
- School colours 2020 for Mountaineering

## Projects

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**Mobile app for nature-based flood management solutions** June 2022 - present

- Develop a mobile application with augmented reality features for nature-based solutions for flood management.
- Use Unity.

**License plate recognition** Dec 2023

- Developed a programme for realtime automatic license plate recognition for Sri Lankan number plates with computer vision and a web-based user interface for visualizing results.
- Used OpenCV, Python, HTML, CSS.

## Non-technical Projects

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Jan - Mar 2024

- **Co-chair, AKURU**, a library book donation initiative under the Rotaract Club of University of Moratuwa

Dec 2022

- **Volunteer, Business Research Unit**, University of Moratuwa, Sri Lanka, for the annual International Conference in Business Research (ICBR) 2022

## Extra-curricular Activities

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### University of Moratuwa

**Mathematics Society** 2023 - present

- **Director** of Competition Coordination 23.24

**AIIESEC in University of Moratuwa** 2023 - present

- **International Relations Manager** of incoming Global Talent, Summer 24.25
- **Sales Panelist** of incoming Global Talent, Winter 23.24

**Hockey** 2023 - present

- Sri Lanka University Games - University of Moratuwa team - 2023
- Junior National Hockey Tournament- Sri Lanka Universities team - 2023, 2024

### Visakha Vidyalaya

**Prefects Guild**, Head Prefect 19.20, Junior Prefect 17.18 2017 - 2021

- Leading the main student leadership body and organizing school events as the head prefect.
- Conducting community projects- medical supplies donation to Colombo East Base hospital, school supplies donation to Iddamalgoda senior school, meditational retreat program, blood donation camp, leadership camp.

**Hockey team**, Team player 2014 - 2021

- Western province champions 2020 and 2nd runners up 2018, all island champions 2013

<b>Western Band</b> , Clarinet section leader	2016 - 2020
<ul style="list-style-type: none"> <li>Organized Reiwa music concert 2020, performed at school events and invitational band shows, all island competitions–2nd place 2019</li> <li>Recorder ensemble competitions– all island 1st (2017, 2019), provincial 1st (2015, 2016)</li> </ul>	
<b>Mountaineering</b> , Won the all island mountain running championship in 2018.	2017 - 2020
<b>Science Quiz team</b> , Competed in interschool competitions.	2020 - 2021
<b>Design Club</b> , Won the best designer title at <i>Epiphany</i> fashion show.	2015 - 2020
<b>ICT Society</b> , Organized ICT exhibitions, presented Arduino projects.	2015 - 2020
<b>Girl Guiding</b> , Second class award.	2016 - 2019