

Nilakna Disiwari Warushavithana

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in nilakna-warushavithana

🌐 NilaknaW

Summary

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

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

SLT Mobitel, Engineering Office, Network Planning Division, Intern

Welikada, Sri Lanka

- Prepared technical analyses and reports for network planning.
- Developed a programme for realtime license plate recognition of Sri Lankan vehicles.

Oct 2023 - Jan 2024
Full-time, 3 months

World Wildlife Fund, Environmental and Disaster Management, Intern

Remote

- Developing a mobile application for demonstrating nature-based solutions for flood management.

March 2023 - Present
Part-time

Skills

Technical Skills

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

Soft Skills

- Languages: English, Sinhala

Achievements

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

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

Mobile app for nature-based flood management solutions

June 2022 - present

- Develop a mobile application with augmented reality features for demonstrating 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

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

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

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

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
<ul style="list-style-type: none"> Western province champions 2020 and 2nd runners up 2018, all island champions 2013 	
Western Band , Principal Clarinetist	2016 - 2020
<ul style="list-style-type: none"> Organized Reiwa music concert 2020, performed at school events and invitational band shows, all island competitions-2nd place 2019 Recorder ensemble competitions- all island 1st (2017, 2019), provincial 1st (2015, 2016) 	
Mountaineering , Won the all island mountain running championship in 2018.	2017 - 2020
Science Quiz team , Competed in interschool competitions.	2020 - 2021
Design Club , Won the best designer title at <i>Epiphany</i> fashion show.	2015 - 2020
ICT Society , Organized ICT exhibitions, presented Arduino projects.	2015 - 2020
Girl Guiding , Second class award.	2016 - 2019

Other Interests

Colombo Wind Orchestra , Clarinetist	2020 - present
Junior Symphony Orchestra , Principal Clarinetist	2023 - present
Certification , Trinity College London	
<ul style="list-style-type: none"> Theory of Music Grade 8 Proficiency with Distinction Pianoforte Grade 5 Proficiency 	
Music: Piano, Clarinet, Drumkit	
Hiking and exploration	