

# ISHAN NILAKSHA HATHARASINGHE

Telecommunication , Electronics & Software Engineering Undergraduate

<https://ishanhatharasinghe.netlify.app>



## ABOUT ME

A committed, passionate, and talented seeker with technical expertise and the capacity to lead and collaborate with others in a team. Equipped with communication skills, leadership and team work skills.



## WORK EXPERIENCE

- Sri Lanka Telecom PLC, Digital LAB, The Embryo Innovation Centre, Trace Expert City, Maradana, Colombo  
Electronics Engineering Intern  
Contributed to Research and Development projects, including:
  - Temperature Monitoring System for DHL
  - AI-driven Edge Sales Management System for MOBTEL
  - Fall Detection System using sensor-based System



## ACADEMIC QUALIFICATIONS

- Sri Lanka Institute of Advanced Technological Education (SLIATE) - ATI Labuduwa  
Higher National Diploma In Electrical and Electronics Engineering Under Specialization of Electronics and Telecommunication Engineering- 4<sup>th</sup> Year  
Current GPA - 3.93
- University Of Moratuwa  
Following Bachelor of Information Technology (BIT)- 2<sup>nd</sup> Year  
Current GPA - 3.00
- Rahula College - Matara  
Passed G.C.E. (Advanced Level) Examination with BCC passes (2021)  
Index No : 6051529                      Stream : Physical Science



## EXTRA CURRICULARS

- SFS ACADEMY  
Followed a AutoCAD (2D+3D) Certificate Course on SFS ACADEMY
- Vocational Training Center - Urubokka  
Followed ICT Technician NVQ Level 4 Course
- National Youth Services Council - Matara  
Followed Professional English Course (2022)



## LANGUAGES

- English
- Sinhala



## CONTACT ME

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0703052181

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533, Samagi Mawatha,  
Beralapanathara

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ishanhatharasinghe222@gmail.com

🌐 LinkedIn :  
Ishan Nilaksha



## TECHNICAL SKILLS

- MS Office
- AutoCAD , Solidworks
- Proteus
- VS , VS code, Android Studio
- Languages & Frameworks
  - C++ , C#
  - Java
  - React , Expo , Vite , Node
  - Javascript , Typescript
  - Python
  - HTML, CSS , PHP
  - Flutter
- Firebase , Superbase, SQL
- Figma
- Adobe Ps, Ai, Id, XD

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## PROJECTS

- **Smart Automated Elephant Deterrent System (HNDE 3<sup>rd</sup> Year Project)**

Developed an IoT-based Smart Automated Elephant Deterrent System integrating laser detection, smart alerts, and energy-efficient multi deterrent controls for human-elephant conflict mitigation.

- **Vehicle Parking Management System (BIT 1<sup>st</sup> Year Project)**

A desktop application designed to automate parking operations, built with C# and SQL.

- **MOBITEL AI-driven Edge Sales Management System**

Enabling SIM dealers to get intelligent prepaid/postpaid package suggestions using React, JavaScript, and Google Apps Script.

- **Blue Haven Rentals (BIT 2<sup>nd</sup> Year Project)**

Developed Blue Haven Rentals, a platform to help users find boarding houses using React, JavaScript, and Google Apps Script.

- **Smart Taxi Meter System Web App (HNDE 3<sup>rd</sup> Year Project)**

Fuel Price Manager is an IoT-integrated web application that provides real-time fuel price updates

- **RideLink - Smart Bus Tracking IOT System (HNDE 4<sup>th</sup> Year Project)**

Built a real-time bus tracking and passenger counting system using ESP32, GPS, and IR sensors. Developed a React + Leaflet.js dashboard with live map and occupancy data using fully open-source tools.



## REFERENCES

**1) MRS.A.N.Weerasinghe**  
(Head of Electrical Department)  
Higher National Diploma in  
Engineering, Advance  
Technological Institute, Galle.  
Mobile: 0779329903

**2) MRS.S.A.N.Kumudu**  
Lecturer (Electrical)  
Higher National Diploma in  
Engineering, Advanced  
Technological Institute, Galle.  
Mobile: 0774497439