



ISHINI NAYANATHARA

PROFILE

Highly dedicated and enthusiastic individual specialized in physics with a foundation in chemistry and statistical proficiency. Eager to pursue a challenging role where I can effectively apply my knowledge and skills to contribute to innovative research and development initiatives, thereby driving advancements in these dynamic fields.

EXPERIENCE

- **Internship | 2024 February - Present**
CEYLON PETROLEUM COPORATION (HEAD OFFICE)
 - Conducted research projects and developed a system to enhance operational efficiency and facilitate the company's goals and objectives.
- **Mentee | 2021 May - November**
SUSTAINABLE EDUCATION FOUNDATION
 - As a mentee, I broadened my horizons by meeting with competent professionals in the field of Physics, which expanded my knowledge of academic pathways.

PROJECTS

- **Analysis of Octane 92 oil quality variations during the transportation (Research) - Python**
 - Developed a system utilizing Python which investigates the dynamics of oil quality parameters during transportation and identifies contributing factors to these variations.
- **Oil Price Forecasting Using PowerBI**
 - Developed a project utilizing PowerBI to forecast oil prices based on inventory data. Employed data visualization techniques to analyze historical trends and patterns in oil inventory levels, enabling accurate predictions of future price movements.
- **Battery charging unit for moving Electric vehicles - ANSYS, SOLIDWORKS**
 - Designed a simulation; focused on developing turbine-based battery charging for EMVs. Gathered data and conducted comprehensive analysis, conclusively demonstrating the theoretical impossibility of the proposed concept.

CONTACT

- ☎ 0716511625
- ✉ ishininayanathara10@gmail.com
- 📍 58/1A, Maviththara, Piliyandala



EDUCATION

- **BSc.(Special) in Applied Physics 2019 - 2024**
SABARAGAMUWA UNIVERSITY OF SRI LANKA
- **GCE (A/L Examination) | 2017**
CENTRAL COLLEGE, PILIYANDALA
- **GCE (O/L Examination) | 2014**
CENTRAL COLLEGE, PILIYANDALA

SKILLS

TECHNICAL SKILLS

- Python
- Power BI
- Ansys
- Solidworks
- Arduino
- MS Office

SOFT SKILLS

- Quick learner
- Communication
- Teamwork
- Problem solving
- Adaptability
- Presentation skill

CERTIFICATES

Python for beginners

Faculty of Engineering,
University of Moratuwa.

Issued Feb 2024

Credential ID: RaKrDACx6

[Show credential](#)

Diploma in English Language

British Way English Academy

Issued Feb 2017

HONOURS & AWARDS

Central College Piliyandala

Obtain a Gold medal

- for University selection

Best performance of Physics

Issued 2016

EXTRA CURRICULAR ACTIVITIES

Member | 2019 - Present

SEDS Sri Lanka

Science & Technology

Member | 2019 - 2024

Society of Technological Studies

Department of Physical Sciences
& Technology

Vice games captain | 2017

Central College Piliyandala

LANGUAGES

English

Sinhala

Distance Guard Alert system - Arduino

- Developed a Distance Guard Alert System using Arduino technology which accurately measured distances and emitted alerts when objects approached within a set distance.

Digital clock

- Leveraged electronic components and circuitry such as 7-Segment Displays and ICs to create a functional timekeeping device capable of accurately displaying hours, minutes, and seconds.

Sri Lanka's Energy Landscape: Past, Present, and Future Outlook.

- Analyzed current trends to assess the nation's progress towards energy sustainability and explored potential pathways for future energy development, considering advancements in conventional energy sources.

NON RELATED REFEREES

Prof. G.M.L.P.Aponsu

Professor in Physics

Department of Physical Sciences and Technology,

Faculty of Applied Sciences,

Sabaragamuwa University of Sri Lanka,

P.O.Box 70140,

Belihuloya,

Sri Lanka.

Phone : 0718098824

Email : aponsul@appsc.sab.ac.lk

Dr.W.T.L.S.Fernando

Senior Lecturer

Department of Physical Sciences and Technology,

Faculty of Applied Sciences,

Sabaragamuwa University of Sri Lanka,

P.O.Box 70140,

Belihuloya,

Sri Lanka.

Phone : 0773057012

Email : thomasleon@appsc.sab.ac.lk