

# Ethmal Uthsara

## Software Engineering Intern/Trainee

✉ uthsaraethmal@gmail.com ☎ 0704310732 📍 209,1st Lane, Egodawaththa,Boralesgamuwa  
🌐 linkedin/EthmalUthsara 🐙 github.com/UthsaraEthmal

## PROFILE

Currently a third year undergraduate pursuing a degree in software engineering result oriented innovative organized and motivated individual with a record of academic and extracurricular success,craving on learning new technologies and work on them to achieve the highest standard possible

## PROFESSIONAL EXPERIENCE

### Software Engineer (BI) - Trainee

Pentagon I Runway

02/2025 – present  
Colombo, Sri Lanka

### Software Engineer (BI) - Intern

Pentagon I Runway

07/2024 – 02/2025  
Colombo, Sri Lanka

## EDUCATION

### Informatics Institute of Technology (IIT)

Undergraduate in BEng (Hons) Software Engineering

- Currently Level 5 undergraduate (2023-present)
- Completed Level 4 courses (2022)

### Ananda College

- GCE A/L (2021 - Biological Science)  
Physics (S), Chemistry (S), Biology(S)
- GCE O/L (2018)  
Buddhism (A), Sinhala language (A), English language (A), Mathematics (A), History (A),  
Science (A), Art (A), Business & Acct. studies (A), Health & Physical education (A)

## PROJECTS

### University Grade Calculator

A **Python** script that calculates university grades via command line by taking inputs of exams, then computes the final grade based on the specified criteria. Two separate paths for students and for the academic staff

### Theatre Tickets Booking System

A **Java**-based Theatre Tickets Booking System manages ticket reservations and availability through a command-line interface, facilitating easy booking (including file handling, and exception handling).

### AutoInsight Pro(group project)

AutoInsight Pro" is a mobile-based software application that utilizes **React Native** for the front-end, **Spring Boot** for the back-end, and **Python** for machine learning. It offers real-time monitoring and several other features for vehicles.

### Online Shopping Managing System

An online shopping management system, developed in **Java**, utilizes "object-oriented programming principles" and **Java-Swing** for the user interface. It offers two separate versions for staff and customers.

### "SnakeHub" Web Page (group project)

"SnakeHub" is an educational website created using **HTML**, **CSS**, and **JavaScript**, offering interactive content and resources focused on snake conservation and ecology, along with an educational quiz.

### Sliding Puzzles

Puzzle game designed to find the shortest path between the starting and ending points, utilizing the Dijkstra algorithm. The game is developed in **Java**.

### Web Development(group project)

Websites for the **Ministry of Technology**, Ministry of Industries, and **Asthma Control** were developed and maintained using **WordPress** and **CSS**. These web applications were created voluntarily.

## SKILLS

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### Soft Skills

Decision making, Multi-tasking, Teamwork, Leadership, Creativity, Organization,

### Technical Skills

Java, Python ,HTML ,CSS ,JavaScript, Structured Query Language(SQL), PHP, React-native , WordPress, Ms Office suite.

## AWARDS

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- Java Application Development Using JavaSE USSC course certificate
- The Duke of Edinburgh's International Award - Silver award
- The Duke of Edinburgh's International Award - Bronze award
- China-Sri Lanka International Youth Painting Competition - Merit award
- All Island Handicrafts(leather) Competition - Third place
- Western Province Art Competition (2017) - Special -Merit award
- Open Chess championship (Dutch chess academy) - 20th place
- Board Member of Ananda College Biology Association

## VOLUNTEER

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### Cutting Edge 2023 (IIT)

*I participated as a group member to conduct "Cutting Edge'23" at BMICH for students of various schools and undergraduates of various universities involved in Information Technology studies.*

### Sri Lanka Cancer Society (Apeksha Hospital; Maharagama )

*I participated in a social welfare program conducted by Sri Lanka Cancer Society. This program was conducted every Sunday for a period of two years at Apeksha Hospital ,Maharagama*

### Sapphire - Biological Science Exhibition(2020 & 2023)

*I participated as a committee member to conduct 'Sapphire' Biological Science Exhibition at Ananda College for students from various schools involved in biology and science studies.*

## REFERENCES

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### Ovini Seneviratne, Lecturer,

University of Sri Jayawardanapura and Informatics Institute of Technology, Sri Lanka  
ovini.s@iit.ac.lk

### F.S.Holmes, Senior Bank Manager, Bank of Ceylon

francisholmes@sltnet.lk, 0718365628