



## Tharindu Dhananjaya Attygalle

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 tharindud022@gmail.com  
 GitHub Profile  
 LinkedIn Profile  
 Personal Website

## EDUCATION

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### • Bachelor of Science Honors in Computer Science

2021-2025

*University of Colombo School of Computing*

GPA: 3.7

### • GCE Advanced Level

2019

*Ananda College- Colombo 10*

## PROJECTS AND RESEARCH

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### • Balancing Privacy and Performance in Federated Learning with Dynamic DP and SMPC

*Final year research*

- Develop an algorithm that dynamically adjusts privacy settings to better protect user data during machine learning.
- Implement a hierarchical structure to improve the algorithm's speed and ability to handle large numbers of users effectively.

### • CopSco

*A web based application that allows day to day drivers to upload evidences of traffic violations that they witness and earn rewards.*

- Developed a web application to report traffic violations using dashcam footage.
- Enabled online fine payment and centralized violation management.
- Designed RESTful APIs for video uploads, fine management, and user authentication.
- Technology Used: React, Node, Express, PostgreSQL, AWS

### • Tea Subsidy Management System

*A web-based application designed to digitize and streamline the manual process of managing tea subsidies for farmers.*

- Enabled efficient management of subsidy applications, land inspections, payments, and reporting.
- Streamlines communication and data management between farmers, offices, and suppliers for transparency and efficiency.
- Technology Used: PHP, MVC Architecture, HTML, CSS, JavaScript,

## EXPERIENCE

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### • Associate Software Engineer

May 2025 - Now

*IFS, Sri Lanka*

- Specialized in frontend development using the Angular framework, building and maintaining IFS's internal frontend framework.
- Collaborated closely with design teams to translate UI/UX designs into functional, responsive, and user-friendly web interfaces.
- Gained expertise in the IFS Cloud ecosystem through formal training, including hands-on knowledge of the Marble framework.
- Achieved certification as an IFS Cloud Developer, validating proficiency in IFS technologies and development standards.
- Focused on framework development and customization to support internal applications and enhance frontend performance.

### • Software Engineer- Intern

November 2023 - May 2024

*CodeGen Internationals, Sri Lanka*

- In-depth understanding of modern web development frameworks and tools, including Spring Boot, Angular, Python, Django, and LangChain.
- Proficient in designing and implementing generative AI solutions, such as chatbots and conversational interfaces, leveraging advanced AI and machine learning techniques to enhance user interactions and engagement.
- Strong knowledge of secure coding practices and authentication mechanisms, including the implementation of Spring Security for access control.
- Hands-on experience in designing and deploying real-time systems, such as WebSocket-based modules for live updates
- Skilled in managing CI/CD pipelines using GitLab, ensuring efficient and automated deployment workflows.
- Experienced in agile methodologies and Scrum practices, actively participating in sprint planning, retrospectives, and daily stand-ups.

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** Java,C/C++, Python, Scala, PHP, Javascript, HTML+CSS

**Web Dev:** Nodejs,ReactJs, Spring boot, Angular

**Cloud/Databases:**MongoDb, Pinecone, Relational Database(mySql)

**Version control:**GitHub, GitLab

**Relevent Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

**Soft Skills:** Problem Solving, Self-learning, Excellent communication skills, Effective time management, Collaborative team player

## REFREES

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- **Mr. Shakya Senarathne** (Software Architect)

*CodeGen Internationals*

– shakya@codegen.net , +94 71 861 6760

- **Dr. Ajantha Athukorala** (Director)

*University of Colombo School of Computing*

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