



Tharindu Dhananjaya Attygalle

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- GitHub Profile
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EDUCATION

- 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

- 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

- 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

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

Relevant 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

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

CodeGen Internationals

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

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

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