Tharindu Dhananjaya Attygalle

✆ +94-702086382
✉ tharindud022@gmail.com
○ GitHub Profile
in LinkedIn Profile
⊕ Personal Website

EDUCATION

- **Bachelor of Science Honors in Computer Science** *2021-now*
  University of Colombo School of Computing GPA: 3.76

- **GCE Advanced Level** *2019*
  Ananda College- Colombo 10

PROJECTS AND RESEARCH

- **Balancing Privacy and Performance in Federated Learning with Dynamic DP and SMPC (Ongoing)**

  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

- **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
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

- **Mr. Shakya Senarathne** (Software Architect) *CodeGen Internationals*
  - shakya@codegen.net , +94 71 861 6760

- **Dr. Ajantha Athukorala** (Director) *University of Colombo School of Computing*
  - aja@ucsc.cmb.ac.lk, +94 71 388 2929