Denuwan Avishka
Software Engineer

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🐙 Denu1   🌐 Denuwan Avishka   🏠 Ambalangoda

A responsible and motivated IT enthusiastic with strong analytical and problem-solving skills and a dedication to delivering high-quality data solutions. Passionate about data engineering, big data technologies, and optimizing data pipelines. I am actively seeking an opportunity as a Data Engineer to contribute to building robust data infrastructure while enhancing my expertise in data processing, storage, and integration.

Experience

Software Engineer Intern *Mar 2024 - Aug 2024*

Persistent Systems

- Completed a 6-month full-time internship as a member of the PME team, focusing on backend development in a microservices project.
- **Tech Stack:** Java, Springboot, JUnit, Mockito

Education

University of Moratuwa *Jun 2021 - Jun 2025*

B.Sc. (Hons) in Information Technology

- CGPA - 3.45 | L4S1 SGPA - 3.79

Dharmasoka College - Ambalangoda *2010 - 2018*

G.C.E Advanced Level Examination 2019 - Physical Science

- Combined Maths: B | Chemistry: B | Physics: B | District Rank: 103 | Z-score: 1.46

G.C.E Advanced Level Examination 2015

- 8As 1C

Projects

1. Enhancing Open-Source Repository Management & Collaboration Through AI *Sep 2024 - July 2025*

Final Year Research Project

- This research project focused on detecting spam issues in repositories, recommending suitable contributors for matters raised, and predicting build failures in build pipelines. The final output is a GitHub app integrating with repositories to support maintainers in efficient collaboration.
- **Tech Stack :** ML, NLP, Python, GitHub API, GitHub Apps

2. Alloc@ Seat Allocation and Automatic Cost Allocation System *Sep 2022 - Jun 2023*

Level 2 Group Software Project

- This is a group project claimed by an IT company to develop a web application with many branches to reserve online resources like meeting rooms and cubicles. Uniquely, this system is designed to calculate the cost automatically according to usage.
- **Tech Stack :** React, Node Express Js, MongoDB, Postman

Projects Cont'd

3.PME Project Persistent Systems
Intern Project
Mar 2024- Aug 2024

- Worked on backend development and testing for multiple international telecom projects, including Telia Sweden, Finland, and Lithuania. Focused on bug fixing, implementing robust backend validations, creating unit tests, and ensuring API reliability.
- Technologies - Java, Springboot, Junit, Mockito

4. NYC Taxi-Spark Analysis
Group Project
June 2025

- An Apache Spark project analysing NYC Yellow Taxi trip data to uncover trends, forecast fares, and visualise geospatial insights.
- **Tech Stack :** Apache Spark, Python

5. Serenity BDD UI & API Testing Suite
Group Project
Jan 2025

- Developed a project using Serenity-BDD for UI and API testing, Rest Assured, and Cucumber, with GitHub Actions for automated CI/CD and detailed test reports.
- **Tech Stack :** Serenity BDD, Rest Assured, Cucumber, GitHub Actions

6.Automated wire-cutting machine
Level 01 Hardware Project
Jun 2021 - Jun 2022

- This is also a group project to automatically cut the wires and strip wires according to the user given lengths. We have used Atmega 32 sensor and other sensors as hardware components
- **Tech Stack:** C Language, Atmel Studio, Proteus, Atmega32, Sensors

Skills

- **Programming Languages** : Java | Python | C
- **Web and Mobile Development:** HTML | CSS | React | Angular | Springboot | JavaScript
- **Databases** : MySQL | MS SQL
- **Tools & Services** : Git | GitLab | Stash | Docker | Jenkins | Jira | | Hadoop | Apache Spark
- **Testing & Automation** : Serenity BDD | Cucumber | RestAssured | JUnit | Mockito
- **Soft Skills** : Leadership Skills | Team working | Logical thinking | Fast learning
- **Other** : Blender | Figma | Visual Studio Code | Webstrom | InteliJ Idea
- **Interests and Hobbies:** Artificial Intelligence | Big Data Analytics | Teaching | Cricket | Carrom

Achievements & Participations

- MoraXtreme 7.0 | 2022: The sequel of the annual hackathon series
- IDEALIZE 2023: Mobile APP and Web development hackathon
- Triathlon 2023: Mobile App development hackathon by "Rootcode"
- Participated in Maths Olympiad from 2012 to 2014

Referees

Mrs. Nipuni Chandimali
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