

# Ramanidas Abeseg

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## SUMMARY

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Motivated and self-driven undergraduate with a strong passion for software engineering and continuous learning. Enthusiastic about developing applications that simplify and improve everyday human experiences, with a growing interest in integrating AI into practical solutions. Experienced in leading teams in competitive environments, including reaching finals in hackathons, demonstrating both leadership and problem-solving abilities.

## EDUCATION

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Undergraduate for Bachelor of Physical Science ICT

May 2023 - March 2026

University of Sri Jayewardenapura

Current GPA: 2.31

Advanced Level Examination

2019 - 2022

Maths - C , Physics - C , ICT - B at Prince of Wales College , Moratuwa

Ordinary Level Examination

Maths - A ICT - A English - A Science - C JMC International School , Kalutara

## SKILLS AND STUDY FIELDS

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**Skills** Java , Javascript , C , React , HTML5 , Data Structures , Algorithms , CSS , NextJs , Tailwind CSS, Bootstrap , Spring boot

**Fields** Artificial Intelligence , Mobile Development and Applications, Software Quality Systems , Software Architecture and Design , User Interface and Design Database Systems and Administration

**Tools** VSCode , Netbeans,IntelliJ ,Codeblocks,Android Studio ,Docker , Git , GitHub

## PROJECTS

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### Smart Plant Health Monitoring System

Developed an Arduino-based plant health monitoring system integrated with a mobile application to track and visualize plant conditions in real time. The system collects essential environmental data such as soil moisture, temperature, and humidity, enabling users to monitor plant health and make informed care decisions through data comparison and analysis.

Technologies - Java , Arduino , Android Studio , Visual Studio Code , Arduino Sensors

### Laptop Recommendation System through Weighted Scoring Algorithm - Ongoing

Currently developing an individual project that recommends laptops using a weighted scoring algorithm based on user preferences. The system interacts with users to gather requirements such as budget, performance needs, and usage type, and provides optimized laptop suggestions tailored to their needs.

Technologies - React , Spring Boot

## CERTIFICATION

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### Front-End Web Development

*Completed a course offered by University of Moratuwa - CODL*

Technologies - Angular , HTML, JS, CSS

### JavaScript Algorithms and Data Structures

*Completed a course offered by FreeCodeCamp*

## TECHNICAL ACHIEVEMENTS

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### HackerRank Problem Solving - Data Structures and Algorithms Gold Badge

Managed to earn the Gold badge through solving various kinds of problems on HackerRank using data structures and algorithms. <https://www.hackerrank.com/profile/abesegramanidas>

## ACHIEVEMENTS AND COMPETITIONS

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### HackX 9 (Hackathon) - Top 12 (Finalist)

*Lead the team Code9 to the top 12 with our project idea called Edu VR*

HackX is a inter-university hackathon competition organized by University of Kelaniya · Led the team Code9 as the team Leader to go to the finals of top 12. · Gained lots of industry experience while gaining knowledge on team work and technical skills related our idea Edu VR and managed to gain presenting skills to a larger audience.

### Intellicon '24 (Ideathon) - Runners Up

*Participated as the team Sentinels as a group for the ideathon*

Ideathon Competition organized by AIESEC in SLITT Tackled the theme of AI-driven search and rescue for resource management after natural disasters. Introduced LoRa bands which involves searching and rescue using esp32 with radio signals and Dijkstra Algorithm to find the shortest path to that person for the rescue team

### MoraXtreme 9.0(Hackathon) - Participation

*Participated as a team for the algorithmic Coding Competition*

Organized by IEEE Student Branch of the University of Moratuwa and the Computer Society - IEEE University of Moratuwa Student Branch

Solved multiple problems through the skills learned through Data Structures and Algorithms

We learned how to work as a team to solve problems through discussion and with our problem solving skills

## EXTRA-CURRICULAR

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- Served as the Task Master of the Dubbing Division at the J'pura Voice Club, overseeing multiple TikTok dubbing projects while actively contributing through video editing, script writing, and voice dubbing.
- Collaborated with the Japura Flames Poetry Club to write multiple poems focused on nature and creative expression.

## REFERENCES

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