Adshaya Balarajah

IT Undergraduate

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Profile

Driven and skilled undergraduate with a robust academic foundation and hands-on experience in developing and deploying scalable applications. Adept in both frontend and backend technologies, I excel in problem-solving, innovation, and implementing effective solutions. My enthusiasm for continuous learning and eagerness to take on challenging projects fuel my ambition to secure a **software engineering internship** where I can further develop my skills and contribute to impactful projects.

Skills

- **Web Development:** HTML, CSS, JavaScript
- **Programming Languages:** C, Java
- **Mobile Development:** React Native
- **Frameworks:** Spring Boot, React, Bootstrap, MUI
- **Database:** MySQL
- **Version Control:** Git
- **IDE and Tools:** IntelliJ, Visual Studio Code, Postman

Project Work

- **Labour Hiring System (LabourLINK) - 2nd Year Software Project | Group Project**   **GitHub**
  Technologies: React.js, React Native, Spring Boot, MySQL
  Client: AlphaCodes (Pvt) Ltd
  Description: Developed web and mobile applications for on-demand labor hiring with map integration and real-time communication.
  Contribution:
  - **Labor Dashboard:** Constructed and managed a labor dashboard for mobile, enabling profile updates, booking management, review viewing, reporting, and account management.
  - **Customer Dashboard:** Contributed to the customer dashboard, displaying user profiles, job categories, top-rated employees, and booking details.
  - **API Integration:** Ensured successful integration with external systems and real-time data updates using Postman for API testing.
  - **UI Enhancements:** Improved user interface elements across the project using React Native Paper.

- **Automated Customized Popcorn Maker - 1st Year Hardware Project | Group Project**
  Technologies: Arduino Mega 2560
  Description: Developed an efficient popcorn maker using Arduino Mega to automate the process, reducing manual intervention and minimizing manpower. The integration of microcontroller technology and various sensors aimed to enhance the user experience and streamline the popcorn-making process.
  Contribution:
  - **Temperature Sensor:** Integrated the DS18B20 temperature sensor for heating element temperature measurement and maintenance.
  - **Gas Sensor:** Integrated the MQ2 gas sensor for smoke detection and implemented automatic exhauster fan control.

Education

- **B.Sc. (Hons) in Information Technology (2022 - 2026)**
  University of Moratuwa, Colombo, Sri Lanka
  L2S2 SGPA: 3.14

- **Advanced Level (2020)**
  V/Vavuniya Tamil Madhya Maha Vidyalaya, Sri Lanka
  Bio Science: 2B's and C
  General English: A

- **Ordinary Level (2015)**
  V/Vavuniya Tamil Madhya Maha Vidyalaya, Sri Lanka
  8A's and C

Certifications

- Introduction to Front-End Development
  Coursera-Meta
- Java Programming
  Great Learning
- UI/UX for Beginners
  Great Learning

Languages

- **English:** Professional Working Proficiency
- **Tamil:** Native Proficiency
- **Sinhala:** Elementary Proficiency

Referees

- **Dr. MFM Firdhous**
  Senior Lecturer,
  Department of Information Technology,
  University of Moratuwa,
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  Sri Lanka.
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- **Dr. Chaman Wijesiriwardana**
  Senior Lecturer,
  Faculty of Information Technology,
  University of Moratuwa.
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