BANITHA MADUSHAN

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Software Engineering Undergraduate

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SUMMARY

Motivated and detail-oriented BSc (Hons) Software Engineering graduate with practical experience in software engineering, web and mobile application development, UI/UX design, and software quality assurance. Proficient in Java, JavaScript, Dart, PHP, HTML/CSS, and SQL, with experience using Flutter, Android Studio, and backend tools such as Firebase, MySQL, and Node.js. . Experienced in manual and automated testing using Selenium WebDriver, JMeter. A fast learner and analytical thinker, eager to contribute to innovative projects and grow within a dynamic tech environment.

EDUCATION

BSc(Hons) Software Engineering: CINEC Maritime Campus | 2022-Present

Expected Graduation 2026 oct.

School: Ananda College Colombo 10 | 2011-2020

TECHNICAL SKILLS

- **Programming:** Java, JavaScript, HTML, CSS, SQL, Dart, PHP, Python
- **Web Development : Front-End:** HTML, CSS, JavaScript, Bootstrap, React
                                     Back-End: PHP, MySQL, Firebase, Node.js
- **Mobile Development:** Flutter & Dart , Android Studio
- **Databases :** MySQL ,   MongoDB Compass
- **API Development & Integration** : RESTful APIs, JSON, Postman
- **Software Testing :** Selenium WebDriver, JMeter, TestNG, Manual and Performance Testing
- **Version Control :** Git, GitHub
- **Development Tools :** Android Studio, VS Code, IntelliJ IDEA,XAMPP
- **UI/UX Design :** Figma, Canva, Wireframing, Prototyping

PROJECTS HIGHLIGHTS

- **After-Sales Service Mobile & Web Application – George Stuart Consumer (PVT) LTD**
    - Developed an integrated mobile and web solution to improve sales executive workflow and customer complaint management.
    - Implemented QR code scanning to provide chemical usage guidelines.
    - **Technologies Used: Flutter, Dart, Firebase, Node.js, Figma**

- **Online Bookshop System with API Integration**
    - Designed and developed a JSON-based web application for an online bookshop featuring user authentication and API integration.
    - Implemented user registration, login, and session management using JWT and password encryption.
    - Integrated external book APIs to fetch and display book data with search, filter, and sorting capabilities.
    - Developed a shopping cart and checkout system with order confirmation.
    - **Technologies Used: React.js, Node.js, MongoDB, RESTful APIs, JWT, HTML5, CSS3, JavaScript**

- **Website for AK Textiles (PVT) ltd**
  - Developed a responsive website for garment sector**.**
  - **Technologies Used:HTML, CSS , JS**

- **Tuition Class Management System (Mobile App)**
  - Built a mobile application to manage student enrollment, attendance tracking, and payment processing.
  - Enabled login for student, teacher, and admin roles.
  - **Technologies Used: Flutter, Dart, Firebase,Figma**

- **Movie Explorer Web Application**
  - Developed a React web app to search and explore movies using The Movie Database (TMDb) API
  - Implemented user login, infinite scrolling, and detailed movie views
  - Deployed the app on Vercel for live access
  - **Technologies Used: React.js, TMDb API, Axios, Material-UI (MUI), React Router, LocalStorage, Vercel**

- **Train Ticket Booking & Schedule Checking Web Application**
  - Created a responsive web system for online ticket booking and train schedule viewing.
  - Integrated secure navigation and booking features.
  - **Technologies Used: HTML, CSS, JavaScript, PHP, MySQL**

- **HeritScope Lanka – Event Planning & Tour Guidance Web Application**
  - Designed a tourism-focused platform offering detailed insights into cultural and historical locations.
  - **Technologies Used: HTML, CSS, JavaScript, GitHub, Trello , Figma**

CERTIFICATIONS

- Python for Beginners in University of Moratuwa
- Web Design for Beginners in University of Moratuwa
- Introduction to Android Studio Course in Simplilearn
- Introduction to Flutter Course in Simplilearn
- Java Programming in Great Learning Academy
- UI/UX for Beginners in Great Learning Academy

PUBLICATIONS

- **Enhancing the Online Dress Shopping Experience through AI Based Solutions**
  4th CINEC International Research Symposium
- **Enhancing Human-Computer Interaction with Deep Learning - Based Emotion Recognition System**
  5th CINEC International Research Symposium

REFERENCES

Dhishan Dhammearatchi
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