

NAFLY AHAMED

Software Engineer - Undergraduate

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PROFILE

Motivated and detail-oriented Software Engineering undergraduate with hands-on experience developing mobile applications, websites, and CRUD applications. Proficient in Java, Flutter, and web development fundamentals. Quick learner with a solid foundation in object-oriented programming and basic data structures and algorithms. Collaborative team player focused on delivering reliable, quality software solutions.

EDUCATION

Open University Of Sri Lanka **2022 - Present**

B.Sc. in Software Engineering (Reading).

Sri Lanka Institute of Advanced Technological Education, Sri Lanka **2023 - 2025**

Higher National Diploma in Information Technology (HNDIT)

SKILLS

- Programming Languages: Java, PHP, Python, Dart, JavaScript, HTML, CSS
 - Databases: MySQL, Firebase, Firestore
 - Version Control: Git, GitHub
 - Frameworks & Libraries: Flutter, Selenium
 - Testing Tools: Selenium IDE, TestNG
 - Web Development: Responsive design, frontend and backend development
 - Tools & Platforms: VS Code, IntelliJ IDEA, Eclipse, Android Studio, Figma, Stripe
 - Methodologies: Agile, Waterfall
 - Soft Skills: Problem Solving, Critical Thinking, Time Management, Team Collaboration, Adaptability, Decision Making
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PROJECTS

E-commerce Mobile Application – [View in GitHub](#)

Technologies Used: Flutter, Firebase, Stripe

- Built a cross platform shopping app with features like user login, product catalog, shopping cart, and checkout.
- Used Firebase Authentication and Firestore for secure login and real-time data handling.
- Integrated Stripe API for secure, encrypted payment processing.
- Developed an admin dashboard to manage product inventory and monitor orders in real time.

Library Management System

Technologies Used: Python, OOP, File Handling

- Developed a command-line application to manage library operations such as lending, returning, and tracking books.
- Applied Object-Oriented Programming (OOP) principles to structure the system efficiently.
- Used file handling for data storage and retrieval, eliminating the need for a database.

E-commerce Website

Technologies Used: PHP, MySQL, HTML/CSS, Bootstrap

- Built a full stack e-commerce web application with user login, product catalog, cart, and simulated checkout process and admin panel for managing products and users with secure CRUD operations.
- Developed frontend using HTML/CSS and Bootstrap, and backend logic with PHP and MySQL.
- Gained practical experience in web architecture, database design, session handling, and user interface development.

Student Attendance System

Technologies Used: Java Swing, MySQL, JDBC

- Built a desktop application for tracking student attendance using Java Swing for the GUI and MySQL for data storage.
- Enabled users to mark students as present or absent, with automatic date stamping and table view display.
- Connected the interface to the database using JDBC to perform CRUD operations.

Automated Testing – Web Application – [View in GitHub](#)

Technologies Used: Selenium WebDriver, TestNG, Java

- Designed and implemented automated test cases using Selenium WebDriver to validate key user workflows such as login, form submission, and UI interactions.
- Utilized TestNG to organize test suites, manage test execution priorities, and generate structured HTML test reports.
- Focused on building maintainable and reusable automation scripts to improve test reliability and early bug detection.
- Strengthened knowledge in automation frameworks, test reporting, and continuous testing best practices.

CERTIFICATIONS

Java Fundamentals – Certified

Object-Oriented Programming – Certified

LANGUAGES

English: Good

Tamil: Native

REFERENCES

Mr.MA.A.AREEF

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