

# AAKIF AHAMED

## IT Undergraduate | Cyber Security Specialization

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**Location:** Sri Lanka

## PERSONAL PROFILE

Information Technology undergraduate specializing in Cyber Security at the Sri Lanka Institute of Information Technology (SLIIT), currently in Year 2, Semester 2. Practical experience in web development, desktop application development, AI/ML, IoT, and graphic design through academic and freelance projects. Skilled in developing applications, integrating databases, testing, and troubleshooting. A motivated self-learner seeking opportunities to contribute technical skills and gain practical experience in IT and cybersecurity.

## EDUCATION

### BSc (Hons) in Information Technology — Specializing in Cyber Security

Sri Lanka Institute of Information Technology (SLIIT)

Year 2, Semester 2 | Ongoing

### G.C.E. Advanced Level — Commerce Stream | 2023

Badhuriya Central College, Mawanella, Sri Lanka

Subjects: Accounting, Business Studies, Information & Communication Technology

Results: B, C, C

### G.C.E. Ordinary Level | 2020

Al-Azhar College, Hemmathagama, Sri Lanka

Results: 5 A passes, 3 B passes, 1 C pass

## TECHNICAL SKILLS

- **Programming & Web Technologies:** HTML, CSS, JavaScript, Java, Python, PHP, JSP, Node.js, C/C++.
- **Databases:** MySQL, SQL Server, SQLite.
- **Development Tools:** Git, GitHub, Electron.
- **Web Development:** Responsive design, front-end development, web applications, CRUD operations, database integration, basic web application architecture.
- **Software Development:** Desktop applications, user interface development, testing, debugging, troubleshooting.
- **AI & Machine Learning:** Scikit-learn, Pandas, NumPy, SVM, Streamlit, data preprocessing, classification, data analysis.
- **IoT & Embedded Systems:** Arduino, ultrasonic sensors, moisture sensors, IR sensors, sensor-based automation.

- **Cybersecurity:** Basic cybersecurity knowledge and information security fundamentals.
- **Design Tools:** Adobe Photoshop, Adobe Illustrator, Canva.
- **Microsoft Office:** Word, Excel, PowerPoint.
- **Website Setup:** Basic hosting and domain setup, WhatsApp contact integration.

## **FREELANCE EXPERIENCE**

### **Freelance Web Developer**

Various Clients | Project-Based / Ongoing

- Developed responsive websites and web-based management systems according to client requirements.
- Built food delivery, event booking, and grocery management applications.
- Implemented user interfaces, database integration, and CRUD operations.
- Conducted testing, debugging, and troubleshooting, and prepared applications for deployment.

### **Freelance Software Developer**

Private Client Projects | Project-Based

- Developed customized desktop software based on business requirements.
- Built Mini POS Software for product, inventory, sales, billing, and customer management.
- Implemented application interfaces, database functionality, stock updates, and daily sales records.
- Performed testing and resolved application issues.

### **Freelance Website Designer & Developer**

Local Businesses / Small Business Clients | Project-Based

- Created responsive business websites with product and service galleries.
- Added business details, locations, opening hours, and customer contact options.
- Integrated WhatsApp contact functionality.
- Assisted with basic web hosting and domain setup.

### **Freelance Graphic Designer**

Various Clients | Project-Based / Ongoing

- Designed logos, posters, flyers, promotional materials, and branding content.
- Created social media graphics and cover designs.
- Gathered client requirements and revised designs based on feedback.
- Used Adobe Photoshop, Adobe Illustrator, and Canva.

## **PROJECTS**

## **Online Exam and Results Management System**

Academic Group Project | Completed

**Technologies:** HTML, CSS, JavaScript, JSP, Java

- Contributed to a web application for online examinations, student assessments, and result publication.
- Included examination and results management with database-driven functionality.

## **Library Management System**

Academic Group Project | Completed

**Technologies:** HTML, CSS, JavaScript, JSP, Java, SQL Server

- Contributed to a system for managing books, members, and library records.
- Included borrowing, returns, reservations, and fine management.

## **Online Food Delivery System**

Client Project | Completed

**Technologies:** HTML, CSS, JavaScript, PHP, MySQL

- Developed a platform for browsing food items and placing online orders.
- Included customer management, payment processing, delivery tracking, and database management.

## **Event Booking System**

Client Project | Completed

**Technologies:** HTML, CSS, JavaScript, PHP, MySQL

- Developed a web application for browsing events and booking tickets.
- Included customer information, payments, and reservation management.

## **Grocery Management System**

Client Project | Completed

**Technologies:** HTML, CSS, JavaScript, PHP, MySQL

- Developed a system for managing grocery products, inventory, customers, and orders.
- Implemented billing and stock management functionality.

## **Mini POS Software**

Client Project | Completed

**Technologies:** HTML, CSS, JavaScript, Electron, SQLite

- Built a desktop Point of Sale application for products, sales, billing, and customers.
- Included inventory management, stock updates, and daily sales records.

## **ObesiSense AI — Obesity-Level Prediction System**

AI/ML Developer | Academic Group Project | Completed

**Technologies:** Python, Scikit-learn, SVM, Streamlit, Pandas, NumPy

- Contributed to a machine learning application that predicts seven obesity-level categories using physical, dietary, demographic, and lifestyle information.
- Worked on data preprocessing, analysis, classification, and SVM model development.

- Provided prediction confidence and BMI-related insights through a Streamlit application.
- Achieved **98.56% test accuracy** and **98.53% Macro F1 Score** with the project's best-performing SVM model.

### **Smart Bin Monitoring System**

Academic Group Project | Completed

**Technologies:** Arduino, C/C++, ultrasonic sensor, moisture sensor, IR sensor

- Contributed to an automated waste detection, segregation, and bin monitoring system.
- Used ultrasonic sensing for object detection and moisture sensing for wet/dry waste classification.
- Supported automatic waste separation, IR-based bin-level monitoring, and full-bin indication.

### **Graphic Design & Branding Projects**

Freelance Client Projects | Completed

**Tools:** Adobe Photoshop, Adobe Illustrator, Canva

- Created logos, posters, flyers, promotional graphics, social media content, and cover designs.
- Delivered branding materials according to client requirements and feedback.

## **COURSES & TRAINING**

### **Python for Beginners — University of Moratuwa**

Completed

Python fundamentals, programming concepts, programming logic, and basic Python development.

### **Web Design for Beginners — University of Moratuwa**

Completed

Web design fundamentals, HTML, CSS, web page design, and basic web development concepts.

## **SOFT SKILLS**

- Problem-solving and critical thinking.
- Teamwork and collaboration.
- Communication and client coordination.
- Time management and task organization.
- Leadership and responsibility.
- Attention to detail.
- Independent learning and adaptability.
- Project planning and coordination.

## **LANGUAGES**

- **Tamil:** Native.
- **Sinhala:** Fluent.
- **English:** Good working proficiency.

## **INTERESTS**

Cybersecurity, programming, emerging technologies, creative digital projects, freelancing, and sports.