ADHEEB AFLAH

Computer Science Undergraduate

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ABOUT ME

Undergraduate Computer Science student and aspiring Full-Stack Developer with strong skills in front-end web development, Java, and Python, and growing experience in AI/ML-based systems. Actively contributing to the Nyaya AI Project, focused on intelligent automation and decision systems. IEEE member and international mathematics bronze medalist with excellent problem-solving ability.

EDUCATION

Sep 2024 – Present	**Informatics Institute of Technology (affiliated with University of Westminster)** *undergraduate* Pursuing Computer Science – BSc (Hons) degree
Jan 2024 – Jun 2025	**Diploma in Full – Stack Development** Studyz Academy

PROJECTS

Nyaya – AI-Based Intelligent System

Software Development Group Project (Ongoing)

- Actively contributing to an AI/ML-driven intelligent system focused on question answering and automation.
- Involved in **system design, data handling,** and **model integration for** real-world AI workflows.

Turtle Graphics Drawing Applications

- Built an interactive Python Turtle drawing app with shape creation, resizing, and color control.
- Implemented keyboard and mouse-based event handling for real-time interaction.
- Applied Object-Oriented Programming (OOP) for clean, modular, and reusable code.

SDG Connect

- Built and interactive website focused on a UN Sustainable Development Goal (SDG) using **HTML, CSS** and **JavaScript.**
- Developed key features including a splash screen, volunteer portal, user profiles and feedback forms with responsive design.
- Ensured clean, accessible, and validated code, including sitemap, editor pages, and validation reports.

Java Flight Seat Booking System

- **Extended system architecture** by designing new classes and implementing interfaces, strictly adhering to **OOP principles** (Inheritance, Encapsulation) and modifying the **MVC Table Model** for dynamic data presentation.
- **Enhanced system functionality and reliability** by implementing **GUI event handling** and custom **sorting algorithms** using the Java API, validated through comprehensive **JUnit test suites**.

TECHNICAL SKILLS

- Languages: Java, Python, JavaScript
- Web Development: HTML5, CSS3, Responsive Design, DOM Manipulation
- Concepts: OOP, File Handling, API Basics, Agile Methodology
- Tools: Git, GitHub, VS Code, IntelliJ
- Learning: Machine Learning, Mobile App Development, System Design

SOFT SKILLS

- Communication
- Collaboration
- Analytical thinking
- Adaptability

VOLUNTEERING & MEMBERSHIP

- **Membership:** IEEE global, University's Computer Science Society
- Participated in IEEE Xtreme 18.0 - 24 hours hackathon
- Participated in IEEE Xtreme 19.0 - 24 hours hackathon
- Participated in IEEE Haxmas Code Golf Competition

REFERENCES

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