SHEIKH SHAKIB HOSSAIN

EXPERIENCE

Software Developer, UIU Mars Rover Team   *2023 – 2024*

Developed an **Autonomous Navigation System** with ROS2, Python, and OpenCV. Created algorithms for obstacle detection, path planning, and real-time decision-making. Wrote libraries for GPS and compass sensors. Contributed to GUI development with Python, HTML, CSS, and JavaScript.

Web Developer   *2023 – Present*

Developed **Ahaar** (food donation platform) and a **Club Management System** using HTML, CSS, PHP, and MySQL. Created a rover tracking app with offline maps (Leaflet.js) and real-time path tracking.

Coding Tutor   *2022 – Present*

Taught C, Java and DSA. Simplified complex concepts and focused on practical problem-solving. Trained new team members in ROS2 development.

Linux Distro Developer   *2022 – Present*

Developed TrinityOS (Linux distribution) with a custom package manager, Windows-like interfaces, and system management utilities.

Security Developer   *2022 - Present*

Developed **Androhack** for identifying and interacting with vulnerable Android devices. Created **IntelliDOS** for effective DoS attacks on modern routers.

SKILLS

- **Autonomous Navigation Systems (ROS2, Python, OpenCV)**
- **Web Development (HTML, CSS, JavaScript, PHP, MySQL)**
- **Linux Distribution Development (Custom Package Manager, AppImage, Bash Scripting)**
- **Security Tools (ShodanAPI, ADB Toolkit, Scrcpy, DoS)**
- **Programming Training and Instruction**

DETAILS

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EDUCATION

BSc in Computer Science and Engineering
United International University
Dhaka   *2022 – Present*

Higher Secondary School Certificate
Govt. Science College
Dhaka   *2022 – Present*

REFERENCE

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