

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, Apptainer, Bash Scripting)
- Security Tools (ShodanAPI, ADB Toolkit, Scrcpy, DoS)
- Programming Training and Instruction

DETAILS

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[GitHub](#) | [LinkedIn](#)

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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