



Shiddha Charan Shil

+8801765472491 • shiddhacharanshil@gmail.com • Dhaka, Bangladesh • [linkedin.com/in/shiddha-charan-shil-0ab250397](https://www.linkedin.com/in/shiddha-charan-shil-0ab250397)

Summary

An accomplished, energetic, and dedicated professional with a Computer Science and Engineering background. UI/UX designer passionate about creating intuitive digital experiences. Proficient in research and translating user needs into engaging designs and functional code. Committed to revising and delivering high-quality products that enhance targeted users' satisfaction and drive business success.

Education

United International University

BSc in Computer Science and Engineering

Dhaka, Bangladesh

2020 - 2024

- CGPA: 2.88 | Executive of Robotics Club from 2023 - 2024

Government Science College

Higher Secondary Certificate

Dhaka, Bangladesh

2019

- GPA: 4.5

Shamsul Hoque Khan School and College

Secondary School Certificate

Dhaka, Bangladesh

2016

- GPA: 5.0

Academic projects

Health-Harmony

Health-Harmony is more than an online lending service that connects individuals in the community, allowing them to lend and borrow medical equipment's they don't regularly use by just uploading equipment photos and descriptions, while borrowers can search for and request this equipment based on their needs and preferred distance range build using MERN.

- Technologies: MERN

Airport Assistance System for Blind and Elderly

The Microcontroller project aims to enhance airport accessibility and security for elderly and visually impaired individuals. Through IoT technology, we're developing a trolley system that autonomously navigates paths and a locker system operated by voice commands. This initiative promotes independence and safety, streamlining airport logistics for a more inclusive and comfortable travel experience for all.

- Technologies: IoT, Microcontrollers

A Smart Farming Solution Using IoT-driven AI-Powered System for Optimizing Crop Selection Based on Soil Data Analysis and Deep Learning Based Crops Disease Classification

The aim of this research is to help Bangladeshi farmers choose the best crops to cultivate by analyzing environmental and soil factors such as NPK levels, temperature, humidity, pH and rainfall. It also uses image processing techniques to detect crop diseases and nutrient deficiencies from leaf images. The aim is to develop a combined decision support system for crop selection, health monitoring and productivity enhancement in agriculture.

- Technologies: IoT, Deep Learning

Strengths



IoT Solutions Development

Designed IoT applications improving airport accessibility for elderly users.



Web Development

Developed web app improving community access to medical equipment lending.

Skills

JavaScript React-Native UI/UX with Figma IoT and Arduino Teamwork Communication

Experience

Health-Harmony

Project

- Developed a web app connecting community members to lend and borrow medical equipment using MERN stack.
- Facilitated user engagement by enabling users to upload equipment photos and descriptions.

Airport Assistance System for Blind and Elderly People

Project

- Designed an IoT-based trolley system for assisting elderly and visually impaired individuals at airports.
- Implemented a voice-operated locker system to promote independence and improve accessibility.

A Smart Farming Solution Using IoT-driven AI-Powered System for Optimizing Crop Selection Based on Soil Data Analysis and Deep Learning Based Crops Disease Classification

Research and Project

- Conducted research on optimizing crop selection through IoT and AI-driven techniques.
- Used deep learning for crop disease classification and environmental factor analysis to enhance agricultural productivity.

Languages

Bengali (Fluent) English (Fluent)

Extra-curricular activities

Executive of Robotics Club in Event team; organized two workshops and one event.