

Abu Sayed

434, Tv Centre, Rampura, Dhaka

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Skills

Soft Skills	Empathy, Resilience, Adaptability, Collaboration, Communication
Programming	C++, Python, JavaScript
Frameworks	React.js, Node.js, Express.js, Bootstrap, Tailwind CSS
Library	NumPy
Software	MongoDB, Firebase, Git, GitHub, Figma
Language	Bangla, English

Education

BSc in Computer Science and Engineering

INDEPENDENT UNIVERSITY, BANGLADESH

Bashundhara R/A, Dhaka

2020-2024

Projects

2024	IoT Based Traffic Hazard Monitoring and Reduction System , The paper presents an IoT-based system for monitoring and reducing traffic hazards in urban areas using sensors like MQ7, MQ135, DHT11, and a sound sensor. These are connected to an Arduino Uno R3, which processes data and sends it to the cloud via an ESP32 NodeMCU. Powered by a 12V battery, the system identifies and responds to potential hazards, enhancing traffic safety.	IUB
2024	Abdominal Trauma , I'm working on a paper for abdominal trauma detection using deep learning, summarizing existing studies and utilizing a Kaggle dataset. Future plans include enhancing model accuracy, expanding the dataset, developing real-time detection, conducting validations, and collaborating with healthcare professionals for publication and research advancement.	Self-Project
2024	Farm2Door , For the StartupIUB@CSE program, I proposed "Farm2Door," an innovative online platform that connects farmers with buyers, allowing farmers to manage products and buyers to browse, order, and track deliveries. The platform includes real-time communication, administrative tools, and plans for regional distribution hubs to optimize logistics and reduce costs. A poster design is included in portfolio for better understanding.	IUB
2024	Quiz App , CodeQuizzer is an interactive quiz app built with React and Firebase, offering a seamless experience for testing knowledge across various topics. [GitHub](https://github.com/saikat455/quiz-app) [Live Demo](https://quiz-app-iota-blush.vercel.app/)	Self-Project

Training & Certifications, Awards

TRAINING & CERTIFICATIONS

Sep 7-17	Live in Field Experience , LFE-2023
2023	CCNAv7 , Introduction To Networks

Bagura RDA

Cisco

AWARDS

2022	1st Runner Up in Line Following Robot competition , TechFest-2022	IUB
2023	1st Runner Up in Microprocessor Project Showcase , TechFest-2023	IUB

Extracurricular Activity

2022-2023	IUB ACM Student Chapter , Director, Operation	IUB
2018	Bangladesh Scouts , Member	Cambrian College, Dhaka