



M N Huda Nahid Khandaker

Date of birth: 08/10/1999 | **Place of birth:** Tangail, Bangladesh | **Nationality:** Bangladeshi |
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ABOUT ME

As a proactive learner with a passion for technology, I am eager to apply my skills to innovative projects and contribute to the success of a forward-thinking organization.

DIGITAL SKILLS

Programming Skills

Python | JavaScript | CSS | Bootstrap

Frameworks

Django

Database

MySQL

Tools and Platforms

Postman | Git | Github | Linux | Figma

Development Methodologies

Agile | REST API | TDD | BDD

WORK EXPERIENCE

01/05/2024 – 31/08/2024 Dhaka, Bangladesh
SYSTEM ENGINEER SMART COMMUNICATIONS

- Collaborate on network upgrades, enforce security policies, and optimize systems.
- Monitor network traffic, diagnose issues, and resolve connectivity problems to maintain seamless operations.
- Develop and maintain detailed documentation for network configurations, protocols, and troubleshooting procedures.

Business or Sector Information and communication | **Department** Networking

01/01/2023 – 31/12/2023 Dhaka, Bangladesh
JUNIOR RESEARCH ASSISTANT THE EMPTY BRAIN

- Gather, organize, and analyze research data.
- Assist in designing and conducting experiments.
- Contribute to the preparation of reports, presentations, and academic papers.

Department Research and Development

PERSONAL PROJECTS

Fast and Furious - Travel Booking Website

Develop an open-source travel booking website designed for easy management. Built with the Django framework and styled using Bootstrap, this lightweight and secure application allows users to effortlessly manage tours, destinations, and bookings through a user-friendly dashboard. It offers flexible booking options, including a "Book on WhatsApp" feature, ensuring a seamless online experience for customers. The project is built with HTML, CSS, JavaScript, and SQLite, making it a versatile solution for travel services.

ACADEMIC PROJECTS

Bangla Voice-Based Conversational Chatbot using NLP.

An AI system designed for the banking industry that combines deep learning, Bengali-specific machine learning techniques, and three key modules (ASR, Interactive Agent, and TTS) to improve customer service efficiency while maintaining personable interactions. Testing with sentence transformers showed satisfactory results, with the TTS module utilizing the gTTS model. The findings suggest this AI-based approach could be adaptable for domain-specific reception systems that prioritize structured and effective customer service beyond mere transactional interactions.

IOT based digital door lock system.

A cutting-edge IoT-based digital door lock system that enables secure, keyless entry through smartphone authentication and biometric verification. The system connects to home networks, allowing remote access control and real-time notifications whenever the door is locked or unlocked. Users can grant temporary access to visitors, maintain access logs, and integrate with other smart home devices for comprehensive security management.

IOT based solar panel battery charger.

A sustainable energy solution that leverages solar power to charge batteries while providing real-time monitoring capabilities. The system intelligently manages the charging process through internet connectivity, allowing users to track battery levels, charging efficiency, and energy production remotely.

● **PUBLICATIONS**

2024
[An Intelligent Telediagnosis of Acute Lymphoblastic Leukemia using Histopathological Deep Learning](#)

Developed an advanced AI system using Deep Neural Networks that can detect Acute Lymphoblastic Leukemia (ALL) from blood smear images with 97% accuracy. Their system utilizes MobileNetV2 architecture to identify various ALL subtypes with high sensitivity and specificity. They've also created telediagnosis software enabling real-time clinical support for rapid and accurate diagnosis, potentially improving timely intervention for this aggressive form of leukemia.

Journal of Computing Theories and Applications, Vol. 2 No. 1 (2024): JCTA 2(1) 2024

● **EDUCATION AND TRAINING**

01/12/2019 – 28/02/2024 Dhaka, Bangladesh
BACHELOR OF SCIENCE City University

Website <https://www.cityuniversity.edu.bd/> | **Field of study** Computer Science and Engineering | **Final grade** 3.25 out of 4.00 |

Thesis Bangla Voice-Based Conversational Chatbot using NLP.

Link <https://github.com/nahidkhandaker/Conversational-Agent-for-Banking-Sector>

Tangail, Bangladesh
HIGHER SECONDARY CERTIFICATE Shaheen College

Field of study Science | **Final grade** 3.67 out of 5.00

Tangail, Bangladesh
SECONDARY SCHOOL CERTIFICATE Haji Abdul Hossain Adarsha High School

Field of study Science | **Final grade** 5.00 out of 5.00

● **PROFESSIONAL TRAINING**

31/10/2024 – CURRENT
Full Stack Web Development with Python, Django & React - OSTAD

Hands-on training on Python, HTML, CSS, Bootstrap, JavaScript, back-end technology (Django, Flask), front-end technology (ReactJS), and REST API.
Expected Completion: August 2025

● **LANGUAGE SKILLS**

Mother tongue(s): **BENGALI**

Other language(s): **ENGLISH**

● **PROFESSIONAL PROFILES**

LinkedIn

Link <https://www.linkedin.com/in/m-n-huda-nahid-khandaker-6945011b9/>

Github

Link <https://github.com/nahidkhandaker>

VOLUNTEERING

01/03/2023 – 28/02/2024 City University
Member- City University Computer Club (CUCC)

01/05/2023 – 28/02/2024 City University
Moderator- Cyber Security Forum of City University (CSFCU)

01/01/2024 – CURRENT Tangail
Vice President- Bangladesh Shopno Puro Foundation

HOBBIES AND INTERESTS

Technology, Research Article, Travel, History and Culture, Music