

Nahin Intesher

Computer Science & Engineering Student

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Profile

Student of Computer Science & Engineering (final trimester) interested in areas such as Computer Vision, Human Computer Interaction and Assistive Technologies. Looking for opportunities to build intelligent and human-centric systems for practical applications. Interested in academia teaching, research, collaborations and further studies.

Research Interests

• Computer Vision • Human Computer Interaction • Deep Learning

Education

B.Sc. in Computer Science & Engineering

2022–Present

United International University, Dhaka, Bangladesh

CGPA: 3.93/4.00 (Till 11th Trimester) **Relevant Coursework:** Data Structures & Algorithms, Database Management Systems, Software Engineering, Computer Networks, Artificial Intelligence, Data Mining, Machine Learning, Digital Image Processing.

Higher Secondary Certificate (Science)

2018–2020

Dhaka Residential Model College, Dhaka, Bangladesh

Secondary School Certificate

2016–2018

Shamshul Haque Khan School and College, Dhaka, Bangladesh

GPA: 5.00/5.00

Junior School Certificate (Science)

2015

Shamshul Haque Khan School and College, Dhaka, Bangladesh

GPA: 5.00/5.00

Research Work

Bridging the Gap: Towards building AI awareness among Vulnerable Populations

Currently Working

Undergraduate Thesis

- AI generated synthetic media also known as multi-modal deepfake contents have become concerning issue in today's technological world. Older adults (55+ age) are in more risk with some younger (11 - 18 age) than adult people.
- Did participatory design and use two approaches (Interview and Survey) to know the insights of how they perceive deepfake contents. Considering those two community as marginal we trained a model and designed an mobile app from participants data as AI awareness tool as our project outcome.
- Explored the problem from Computer Vision, Human–Computer Interaction, and Social Computing perspectives.

SIDAS: A Spatial-Intent-Decision Adaptive System for Assistive Indoor Navigation for Blind People

Currently Working

Personal Research Project

- SIDAS is a wearable AI navigation system designed to help visually impaired people move around more safely and independently.
- It uses a smartphone camera, AI-based depth perception, and sensors to understand obstacles and decide the safest direction in real time.
- The system then guides the user through **smartwatch vibrations and spatial audio, while keeping critical safety decisions on-device for low latency.

Teaching Experience

Undergraduate Teaching Assistant

United International University

2023–Present

Dhaka, Bangladesh

- Guided academic problems and technical concepts of many student with practical exercises.

Owner & Academic Instructor

Diganta Coaching Center

2024–Present

Dhaka, Bangladesh

- Helps students of class 6 to 10 to understand any topic easily and encourage them in various sectors where they can contribute.

Selected Projects

Deepfake Detection System - Thesis Project

ViT + LSTM

06/2025–present

- Developed a video deepfake detection system combining a Vision Transformer backbone with LSTM-based temporal modeling.
- **Datasets:** Celeb-DF-v2, FaceForensics++_C23, Arabic_Deepfake_Dataset.
- **Technologies:** Python, PyTorch, OpenCV.

Jiggasha

Gamified Educational Platform

04/2025–06/2025

- Jiggasha is an online platform made to help students study better and do well in exams.
- It gives students a fun and competitive way to learn through a battle-royale-style exam system, where they can take part in live exams and see how they rank against others.
- **Technologies:** Next.js, Node.js, PostgreSQL.

DiscoverYou

Talent Discovery & Development Platform

06/2024–08/2024

- DiscoverYou is a web-based platform that helps users discover, develop, and showcase their talents through contests, courses, communities, and expert guidance.
- It also connects users with job opportunities and provides a marketplace to monetize their creative work.
- **Technologies:** React, Node.js, MySQL.

Diganta Coaching Center

Website of a Coaching Center

05/2025–Present

- Diganta is my Coaching Center. Made a website for my coaching for the smooth interaction between students and teachers.
- **Technologies:** Next.js.

Technical Skills

Programming

Python, C, C++, JavaScript, TypeScript

AI / Machine Learning

PyTorch, OpenCV, Hugging Face, Deep Learning

Web Development

Next.js, React, Node.js, Express.js, React Native

Database

PostgreSQL, MySQL

Tools

Git, GitHub, Linux, Adobe Illustrator

Achievements & Awards

UIU CSE Project Show, Summer 2024	Champion, Database Management System (<i>Project: DiscoverYou</i>)
UIU CSE Project Show, Summer 2025	Champion, System Analysis and Design (<i>Project: Jiggasha</i>)
UIU CSE Project Show, Fall 2024	2 nd Runner-up, Software Engineering (<i>Project: DiscoverYou App</i>)
UIU CSE Project Show, Fall 2024	3 rd Runner-up, Advanced Object Oriented Programming (<i>Project: MiniGameMaster</i>)
Academic Scholarship	Awarded 100% tuition scholarship in 9 trimesters, and 50% in a further 3 trimesters

Competitive Programming

Codeforces Solved 270 problems	(handle: Nahinintesher)
LeetCode Solved 41 problems	(handle: Nahinintesher)
UIU Juniors Programming Contest, 2024	1 st Runner-up

Academic Activities

- Undergraduate Teaching Assistant at United International University.
- Undergraduate research and thesis work in HCI.
- Development of software for research and educational applications.

References

Dr. Novia Nurain
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