

## Nanjiba Ibnat Farazi

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Portfolio: [nif-portfolio](#)

### Education

#### Military Institute of Science and Technology

Bachelors of Science(B.Sc) in Computer Science and Engineering(CSE) [Ongoing]  
Current CGPA 3.88

Mirpur Cantonment, Dhaka

#### Adamjee Cantonment College

Higher Secondary Certificate (HSC)  
Batch: SSC-20  
GPA 5.00

Dhaka Cantonment, Dhaka  
05 March 2020

#### Bangladesh International School and College

Secondary School Certificate (SSC)  
Batch: HSC-22  
GPA 5.00

Mohakhali D.O.H.S, Dhaka  
22 December 2022

### Notable Projects

- **Pathtrekker**

Pathtrekker is a Java-based desktop application designed as an intelligent travel companion to simplify and enrich the travel experience. It provides personalized itineraries, real-time information on attractions, accommodations and transport, along with seamless navigation—ensuring every journey is smooth, informed and hassle-free.

- **Shodesh**

Shodesh is a volunteer-driven donation platform that connects donors with verified individuals and foundations across Bangladesh. It supports transparent, geo-based donations with proof tracking, emergency campaigns, basic fraud detection, secure payments and volunteer ratings.

- **Autonomous Pick and Drop Robotic Arm**

This project develops an autonomous pick-and-place robotic arm with a 4-DOF arm on a horizontal slider. Using an IR sensor and Arduino Uno, the system detects objects, picks and places them at a predefined location and returns automatically using servo motors and a stepper-driven slider.

- **SlumLink**

SlumLink is a smart digital platform for urban slum management. It enables household registration, text/voice complaint reporting, event management and real-time dashboards—helping NGOs and authorities deliver services transparently and efficiently.

- **Nogor Shomadhan**

Nogor Shomadhan is a citizen complaint portal with evidence submission and location details. Admin verification and status tracking (pending/in progress/resolved) is done for accountability.

## Experience

### Blessings for Human Foundation Team Lead

Dhaka, Bangladesh  
2021

Worked as Team-in-charge for Project 'Warmth' (Winter Clothes Distribution) and Project 'Ramadan' (Food for all in the Holy month). Worked to allocate donations, arrange and communicate with sponsors and distribute aids.

## Achievements

### • Best volunteer and team award

Awarded as the best Volunteer (individual) and best Team for outstanding performance in Project 'Warmth'.

Blessings for Human Foundation

### • Principal's Achievement Award

Academic Scholarship

Adamjee Cantonment College

### • Dean's List - 2024

Military Institute of Science and Technology

### • Academic scholarship in Level-2 (Term-1)

Military Institute of Science and Technology

### • CSE-220 (Object-Oriented Programming Language-II) Course Best Project Award -2nd Runner-up (PATHTREKKER)

Department of CSE, MIST

## Technical Skills

- **Languages:** C, C++, Java, JavaScript, Python, SQL(Oracle, MySQL), Assembly, HTML5, CSS3
- **Frameworks & Libraries:** ReactJS, NextJS, NodeJS
- **Tools & Platforms:** Git, GitHub, Linux, Figma, Proteus, Postman, Arduino IDE

## Other Skills:

**Language:** Bangla(Native), English(Fluent), Spanish(Basic)

**Soft Skills:** Time Management, Attention to Detail, Teamwork, Writing skills

**Interests:** Travelling, working for human and animal welfare