Nanjiba Ibnat Farazi

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Portfolio: [nif-portfolio](#)

Education

Military Institute of Science and Technology   Mirpur Cantonment, Dhaka
Bachelors of Science(B.Sc) in Computer Science and Engineering(CSE) [Ongoing]
Current CGPA 3.88

Adamjee Cantonment College   Dhaka Cantonment, Dhaka
Higher Secondary Certificate (HSC)   05 March 2020
Batch: HSC-22
GPA 5.00

Bangladesh International School and College   Mohakhali D.O.H.S, Dhaka
Secondary School Certificate (SSC)   22 December 2022
Batch: SSC-20
GPA 5.00

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   Dhaka, Bangladesh
Team Lead   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**   Blessings for Human Foundation
Awarded as the best Volunteer (individual) and best Team for
outstanding performance in Project 'Warmth'.

• **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)**   Department of CSE, MIST
Course Best Project Award -2nd Runner-up (PATHTREKKER)

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