

Mohammad Ninad Mahmud Nobo

B.Sc. in Computer Science and Engineering — BUET

AI systems and full-stack engineer focused on building LLM-powered systems, real-time applications, and scalable AI-driven software systems.

Phone: +8801939444451
Email: mninadmno@gmail.com
GitHub: github.com/mninadmno
LinkedIn: linkedin.com/in/mninadmno
Portfolio: mninadmno.github.io
My CV: mninadmno.github.io/cv/
Location: Dhaka, Bangladesh



Summary

AI systems and full-stack engineer focused on building LLM-powered systems, real-time applications, and applied AI for real-world impact.

Experience includes end-to-end AI-driven systems across mobile and backend platforms with emphasis on reliability, scalability, and human-centered deployment.

Active in research on LLM-based software testing and medical AI systems.

Personal Details

Full Name

Mohammad Ninad Mahmud Nobo

Date of Birth

30 October 2002

Place of Birth

Dhaka

Gender

Male

Height

5 ft 8.5 in (174 cm)

Nationality

Bangladeshi

Religion

Islam

Marital Status

Unmarried

Blood Group

B+

NID No.

9164886989

Family Information

Father

Mohammad Sultan Mahmud

Senior Teacher

Hazi Billal Ali High School

Dhaka, Bangladesh

Mother

Nilufa Yasmin

Senior Teacher and Acting Headmistress

Hazi Billal Ali High School

Dhaka, Bangladesh

Sibling

Fahmida Faiza

DVM Student, Sher-e-Bangla Agricultural University

HSC 2025, Rajuk Uttara Model College

Dhaka, Bangladesh

Present Address

533/4, Hazi Billal Ali Road, Chalabon, Azampur,

Dhaka North City Corporation, Dhaka 1230

Permanent Address

533/4, Hazi Billal Ali Road, Chalabon, Azampur,

Dhaka North City Corporation, Dhaka 1230

Village Information

Paternal Village (Dadu Bari)

Gobindonagar, Sarishabari, Jamalpur, Mymensingh, Bangladesh

Maternal Village (Nanu Bari)

Gobindonagar, Sarishabari, Jamalpur, Mymensingh, Bangladesh

Personal Contact

📞 Phone

Primary: +8801939444451

Secondary: +8801849285757

✉ Email

Professional: mninadmno@gmail.com

Academic (BUET): 2005080@ugrad.cse.buet.ac.bd

Personal: noboninad@gmail.com

Personal Profiles

📁 Professional

🌐 **Portfolio:** mninadmno.github.io [<https://mninadmno.github.io>]

🐙 **GitHub:** [mninadmno](https://github.com/mninadmno) [<https://github.com/mninadmno>]

🌐 **LinkedIn:** [mninadmno](https://linkedin.com/in/mninadmno) [<https://linkedin.com/in/mninadmno>]

🔬 Research

🔍 **Google Scholar:** [M Ninad M Nobo](https://scholar.google.com/citations?user=y5-A2oAAAAAJ) [<https://scholar.google.com/citations?user=y5-A2oAAAAAJ>]

📄 **ORCID:** [0009-0006-2781-6693](https://orcid.org/0009-0006-2781-6693) [<https://orcid.org/0009-0006-2781-6693>]

👤 **ResearchGate:** [Mohammad-Ninad-Mahmud-Nobo](https://www.researchgate.net/profile/Mohammad-Ninad-Mahmud-Nobo) [<https://www.researchgate.net/profile/Mohammad-Ninad-Mahmud-Nobo>]

📱 Social

📘 **Facebook:** [M Ninad M Nobo](https://facebook.com/mninadmno) [<https://facebook.com/mninadmno>]

📷 **Instagram:** [M Ninad M Nobo](https://instagram.com/mninadmno) [<https://instagram.com/mninadmno>]

🐦 **X / Twitter:** [mninadmno](https://x.com/mninadmno) [<https://x.com/mninadmno>]

🔗 Programming

📄 **LeetCode:** [mninadmno](https://leetcode.com/u/mninadmno) [<https://leetcode.com/u/mninadmno>]

📄 **NeetCode:** [mninadmno](https://neetcode.io/profile/mninadmno) [<https://neetcode.io/profile/mninadmno>]

📊 **Kaggle:** [mohammadninadmahmud](https://www.kaggle.com/mohammadninadmahmud) [<https://www.kaggle.com/mohammadninadmahmud>]

➤ **Codeforces:** [MNMNobo](https://codeforces.com/profile/MNMNobo) [<https://codeforces.com/profile/MNMNobo>]

Educational Qualifications

School and College

Uttara High School and College
2008–2012

PSC (2012): GPA 5.00/5.00 **Board:** Dhaka **Group:** Science

Rajuk Uttara Model College
2013–2021

JSC (2015): GPA 5.00/5.00 **Board:** Dhaka **Group:** Science **Scholarship:** Talentpool
SSC (2018): GPA 5.00/5.00 **Board:** Dhaka **Group:** Science
HSC (2020): GPA 5.00/5.00 **Board:** Dhaka **Group:** Science **Scholarship:** General Grade

Undergraduate

Bangladesh University of Engineering and Technology (BUET)
B.Sc. in Computer Science and Engineering
2022–2026

CGPA: 3.61/4.00 **Department:** Computer Science and Engineering

Relevant Coursework: Data Structures & Algorithms, Digital Logic Design, Database Systems, Operating Systems, Computer Architecture, Computer Networks, Computer Graphics, Algorithm Engineering, Artificial Intelligence, Machine Learning

Research Interests: LLM Systems, Software Testing Automation, Applied Machine Learning, Medical AI

Research

Web Testing Using Large Language Models

Type: Undergraduate Thesis **Period:** 2025–Present **Status:** Ongoing
LLM pipeline for automated web test generation and evaluation.

Focus: Test generation, validation, coverage analysis

 [View Code: GitHub Link \[https://github.com/mninadmno/Test-Case-Generator \]](https://github.com/mninadmno/View Code: GitHub Link [https://github.com/mninadmno/Test-Case-Generator])

MedCAR: Conflict-Aware Medical Reasoning

Type: Research Project **Period:** 2026 **Status:** Under Review
Conflict-aware multi-model reasoning for chest X-ray analysis.

Focus: Conflict resolution, confidence calibration, safe abstention

 [View Code: GitHub Link \[https://github.com/mninadmno/MedCAR \]](https://github.com/mninadmno/View Code: GitHub Link [https://github.com/mninadmno/MedCAR])

Bengali-Loop: Community Benchmarks for Long-Form Bangla ASR and Speaker Diarization

Type: Preprint **Period:** 2026 **Status:** arXiv: 2602.14291
Benchmark dataset and evaluation for long-form Bangla ASR and diarization.

Focus: Data pipelines, WER/DER evaluation

 [View Paper: arXiv:2602.14291 \[https://arxiv.org/abs/2602.14291 \]](https://arxiv.org/abs/2602.14291)

Projects

Featured AI Systems

MindTrace

AI-powered dementia care platform with caregiver workflow automation.

🔗 View Code: GitHub Link [<https://github.com/mninadmno/MindTrace>]

📺 View Feature Demo: YouTube Link [<https://youtu.be/BpRmKZYAOhM>]

📺 View Infrastructure Demo: YouTube Link [https://www.youtube.com/watch?v=i0GG_g0eZck]

Gemma VetCare

Offline-first AI livestock healthcare assistant for low-connectivity areas.

🔗 View Code: GitHub Link [<https://github.com/mninadmno/GemmaVetCare>]

📺 View Feature Demo: YouTube Link [<https://www.youtube.com/watch?v=EoxyudCIVSo>]

AI / LLM Engineering

Web Testing Using LLMs

LLM-based pipeline for automated web test generation, post verification and execution.

🔗 View Code: GitHub Link [<https://github.com/mninadmno/Test-Case-Generator>]

MedCAR

Conflict-aware medical reasoning system for chest X-ray analysis.

🔗 View Code: GitHub Link [<https://github.com/mninadmno/MedCAR>]

Full Stack Applications

SkillHub

Coaching and school management system with REST API backend.

🔗 View Code: GitHub Link [https://github.com/mninadmno/SKILL_HUB]

Movie Database

Desktop application for managing movie data with structured CRUD operations.

🔗 View Code: GitHub Link [<https://github.com/mninadmno/Movie-DataBase-Management-JavaFX>]

Systems & Core CS

CompilerSessional

Compiler pipeline with parsing, semantic analysis, and 8086 code generation.

🔗 View Code: GitHub Link [<https://github.com/mninadmno/CompilerSessional>]

Graphics Pipeline

Rasterization, Z-buffering, and ray tracing implementation.

🔗 View Code: GitHub Link [<https://github.com/mninadmno/Computer-Graphics-Pipeline>]

Security & Networking

TCP Window Scaling Attack and Defense

MITM attack and defense lab with packet inspection and validation.

🔗 View Code: GitHub Link [https://github.com/mninadmno/CSE406-Window_Scaling_Attack]

Remote Gardening

Automated plant monitoring and microcontroller-based control system.

🔗 View Code: GitHub Link [<https://github.com/mninadmno/CSE-316-Microcontroller-and-Microprocessor-Project>]

📺 View Feature Demo: YouTube Link [<https://www.youtube.com/watch?v=m3LLqLAPCik>]

Technical Skills

</> Languages

 C/C++

 Python

 Java

 Kotlin

 JavaScript

 SQL

Backend & APIs

 Spring Boot

 Spring AI

 Node.js

 Express.js

 REST APIs

 CI/CD

AI / ML

 PyTorch

 TensorFlow

 Scikit-learn

 LLM Apps

 MLOps

 Optimization

Databases

 PostgreSQL

 MongoDB

 Redis

DevOps & Tools

 Docker

 GitHub Actions

 Firebase

Spoken Languages

 Bangla (Native)

 English (Fluent)

 Hindi & Urdu (Conversational)

Publication Summary

Output Overview

Total Research Outputs	3
Journal Articles	0
Preprints (arXiv)	1
Thesis	1
Books	0

Peer-Reviewed Publications	0
Conference Papers	0
Manuscripts Under Review	1
Book Chapters	0
Patents	0

Indexing & Impact

Indexed (Scopus)	0
Citations	0

Indexed (WoS/ISI)	0
h-index / i10-index	0 / 0

References

Reference 1

Name: Dr. Md. Monirul Islam

Position: Professor

Organization: Bangladesh University of Engineering and Technology (BUET)

Address: BUET, Dhaka

Phone: +8801926266285

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Relation: BUET Adviser

Reference 2

Name: Sukarna Barua

Position: Associate Professor

Organization: Bangladesh University of Engineering and Technology (BUET)

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Email: sukarnabarua@cse.buet.ac.bd

Relation: Thesis Supervisor

Reference 3

Name: Nilufa Yasmin

Position: Senior Teacher and Acting Headmistress

Organization: Hazi Billal Ali High School

Address: 533/4, Hazi Billal Ali Road, Chalabon, Azampur, Dhaka North City Corporation, Dhaka 1230

Phone: +8801933465611

Email: lilynifayasmin@gmail.com

Relation: Mother

Reference 4

Name: Mohammad Sultan Mahmud

Position: Senior Teacher

Organization: Hazi Billal Ali High School

Address: 533/4, Hazi Billal Ali Road, Chalabon, Azampur, Dhaka North City Corporation, Dhaka 1230

Phone: +8801793217266

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Relation: Father

Declaration

I hereby declare that the information provided above is true, complete, and correct to the best of my knowledge and belief. I understand that any willful misrepresentation or omission may lead to disqualification or other appropriate action.



Mohammad Ninad Mahmud Nobo