



Nahid Hasan Nobil

Software Engineer

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EDUCATION

Bachelor of Science in CSE

American International University - Bangladesh

CGPA- 3.88 (Out of 4)

2022 - current

HSC in Science

Balla Coronation School & College

CGPA- 5.00 (Out of 5)

2018 - 2020

AWARDS & HONORS

Dean's Award

AIUB

LANGUAGES

• Bangla

• English

• Hindi (Basic)

CAREER OBJECTIVE

Aspiring software engineer with a solid foundation in computer science, strong academic performance and practical experience in building real-world applications using C++, C#, JavaScript, NestJS, and more. Eager to contribute to dynamic development teams and deliver efficient, scalable software solutions. Passionate about full-stack development and system design, with a long-term goal of working in top-tier tech companies where I can continue learning, solving complex problems, and building impactful technology.

PROJECTS

Smart Hospital Management System (Full-Stack)

Built a secure, full-stack hospital platform with JWT authentication, role-based access, OTP password recovery, and Nodemailer email integration. Implemented modules for patient/doctor registration, appointment booking and feedback. Designed responsive UI with features like appointment filters, modals, print support, and real-time updates.

Event Buddy — NestJS Event Booking System

Built a scalable NestJS backend for event booking with JWT-based authentication and PostgreSQL. Supported user registration, login, seat booking (up to 4), and admin-level event/user management. Applied role-based access control using guards and validated inputs with class-validator. Documented all endpoints with Swagger for easy API testing.

Patient Management System (3-Tier Architecture)

Built a 3-tier web application enabling doctors to diagnose patients, manage prescriptions, and perform secure CRUD operations with file upload support. Integrated email functionality for sending prescriptions, and used LINQ for streamlined data querying. Established a solid architectural foundation using ASP.NET Web Forms, ADO.NET for data access, and SQL Server for backend storage.

SKILLS

Programming Languages:

Proficient: C++, C#, JavaScript, TypeScript, Python, Java

Familiar: HTML/CSS, SQL

Frameworks & Technologies:

Backend: Node.js, Nest.js, ASP.NET

Frontend: Next.js, React, Bootstrap

Database Management: PostgreSQL, SQL Server Management Studio

Tools & Platforms:

Visual Studio, Figma, vs code, Google Colab, Jupyter Notebook, Code::Blocks

Testing & QA Tools:

Selenium WebDriver (C#), Postman, NUnit, Manual Testing, Test Case Design, Bug Reporting

Expertise:

Full-Stack Development, System Design, API Integration, Problem Solving, Critical Thinking, Creativity, Leadership, Negotiation

RESEARCH PUBLICATION

Predicting Emotional Well-Being from Social Media Usage: A Machine Learning Approach

- Accepted at IEEE Conference, Vidyavardhaka College of Engineering, Mysore.
- Conference Date: June 27, 2025
- The paper will be published after the conference.