

Mohammad Ali Nayeem

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Technical Skills

Programming Languages: C++, JavaScript, Python

Frameworks & Libraries: Node.js, Express.js, NestJS, Next.js, React, Redux Toolkit, React Native, Expo

Database Management: MySQL, MongoDB, PostgreSQL

Tools & Platforms: Git, GitHub, Postman, AWS (basic), Docker

Concepts: Data Structures & Algorithms, Object-Oriented Programming, API Gateway, Agile/Scrum

Education

Daffodil International University, B.Sc. in Software Engineering - July 2023 - Present

- Coursework: Data Structures, Database Systems, Software Development, Capstone Project

Milestone College, Higher Secondary Certificate (Science)

Projects

Cafe POS System – MERN, TypeScript, Socket.io, TailwindCSS – Git Link

- A full-stack café management system with real-time orders, role-based access, inventory tracking, and dashboard analytics.
- Features include PDF receipt generation, printer support, and secure user management.

Edemy – AI-Powered Online Learning Platform – Next.js, Express.js, PostgreSQL – Git Link

- An e-learning platform where instructors can create/manage courses and students can purchase/access them.
- Integrated Gemini AI for auto-generated course descriptions and SSLCommerz for payment processing.

MyShop 2.0 – E-Commerce Platform – Next.js, Node.js, MongoDB – Git Link

- A complete e-commerce solution featuring an admin dashboard, POS order system, and comprehensive sales reports.
- Implemented secure payment gateways, email notifications, and automated cleanup of failed orders.

E-commerce UI RN – Mobile App – React Native, Redux Toolkit – Git Link

- A cross-platform mobile application (iOS & Android) with a customer-facing app and an administrative panel.
- Integrated multiple payment gateways including SSLCommerz, bKash, Nagad, Stripe, and PayPal.

DocuExtract – OCR Cash Memo Tool – Next.js, Google Vision API – Git Link

- An OCR-powered tool to extract structured data from cash memos and export them to PDF, Excel, Word, or JSON formats.
- Uses Google Vision API for accurate text recognition and automates calculations and data population.

Assignment & Lab Report Generator – Next.js, jsPDF, ShadCN – Git Link

- A utility tool for DIU students to instantly generate formatted assignment and lab report cover pages.
- Features custom inputs for student details and a print-ready layout for easy use.

Hostel Management System (C Project) – C – Git Link

- A beginner-friendly hostel management software for student record management, room allocation, and billing.

Contributions & Achievements

- Programming Contest Participant
- NASA Space Apps Challenge 2025 – Participant