# A. B. M. SHIFAR EMTIUZ

## JUNIOR SOFTWARE ENGINEER (BACKEND)

📧 shifar16@cse.pstu.ac.bd | 📱 +8801757342761 | GitHub | LinkedIn

## SUMMARY

Experienced Junior Software Engineer (Backend) with expertise in developing web applications using NestJS and Typescript. Skilled in creating REST APIs to support ERP solution and E-commerce functionalities. Proficient in designing and managing databases with PostgreSQL & MongoDB. Collaborative team member with a strong foundation in full-stack development

## TECHNICAL SKILLS

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|---|---|---|---|
| C/C++ | Nest.js | PostgreSQL | TypeScript |
| JavaScript | Node.js | MongoDB | REST API |
| Python (Basic) | Express.js | Firebase | Docker |
| | | | Redis |

## PROFESSIONAL EXPERIENCE

**Ghorer Bazar (Junior Software Engineer - Backend)**          Nov 2024 - Present

- Developed and maintained web applications using NestJS and TypeScript.
- Developed RESTful APIs to seamlessly integrate ERP Solution and E-commerce functionalities.
- Designed and managed robust PostgreSQL databases for ERP and E-commerce systems, improving data retrieval speeds.
- Collaborated with cross-functional teams to design, develop, and deploy scalable web applications.
- Utilized Git and GitHub for version control and collaborative development.

## PROJECTS

**ERP Solution (Order & Inventory Management Tool)** *(GitHub)*

- Designed and developed a comprehensive Order & Inventory Management System using **Nest.js, TypeScript, and PostgreSQL**.
- Implemented secure authentication with **JWT**, **email verification**, and **role-based** access control.
- Integrated payment transactions supporting full and partial payments with unique transaction tracking.
- Streamlined **warehouse** operations with requisition and challan management.
- Implemented **Redis** for performance optimization and fully **Dockerized** the application for scalable deployment

**Chat Application** *(GitHub)*

- Developed a real-time chat application with **Express.js** for backend functionality.
- Used EJS for dynamic template rendering and **Socket.io** for seamless communication.
- Utilized **MongoDB** for efficient user data storage.

**Uptime Monitoring Application** *(GitHub)*

- Created an Uptime Monitoring Application using **Node.js** to track website availability and performance.
- Continuously checks specified URLs, alerts users to downtime, and logs response times.

## EDUCATION

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|---|---|
| M.Sc. in Computer Science & Information Technology **Patuakhali Science and Technology University** | Jan 2025 – Present |
| B.Sc. in Computer Science & Engineering. **Patuakhali Science and Technology University** | Jan 2019 – Oct 2024 |

## ON-GOING RESEARCH

B.Sc. Thesis: **Minimize the Inconsistency: Advancing the Cutting Edge Speech-to-Text Model for Barishal Regional Dialects**
Degree: B.Sc. in Computer Science and Engineering, Patuakhali Science & Technology University.