

MD. AMJAD HOSSAIN

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SKILLS

- **Programming Languages:** C, Java, JavaScript, TypeScript
- **Web Technologies:** React, NextJs, ExpressJs, NestJs, Node.js
- **Automation & Orchestration:** n8n, Mastra
- **Databases:** MongoDB, MySQL, Postgres, Drizzle ORM
- **DevOps & Containerization:** Docker, Jenkins
- **Operating Systems:** Ubuntu, Windows

WORK EXPERIENCE

- Daffodil International University:** *Teaching Assistant and Programming Tutor* 01/2019 - 12/2020
- Taught Object-Oriented Programming (OOP) and Algorithms to undergraduate students, enhancing their understanding of fundamental computer science concepts.
- ATC Tech Ltd.:** *Software Engineer* 03/2024 - 08/2024
- Developed a comprehensive software solution called "NGO" using Node.js for the backend and React for the frontend, demonstrating full-stack development capabilities.
 - Implemented React Query for efficient state management and data fetching, improving the application's performance and user experience.
 - Collaborated with cross-functional teams to design and implement features that met specific NGO management requirements.
- Devxhub Ltd.:** *Software Engineer* 10/2024 - Present
- Developed autonomous **AI agents** using **Mastra (Node.js)** and **n8n** to automate B2B lead management and customer support workflows.
 - Contributed to the development of multiple internal products, including **Smart Parking Systems**, **Miragic AI**, and **Pioo AI**, ensuring high-quality code and scalable architecture.

EDUCATION

- Daffodil International University** 2018-2023
- Bachelor of Science in Computer Science and Engineering (B.Sc. in C.S.E)*
- CGPA: 3.49 (on a scale of 4.00)
- Birshreshtha Munshi Abdur Rouf Public College, Dhaka** 2015-2019
- Higher Secondary Certificate (HSC)*
- GPA: 5.00 (on a scale of 5.00)

PROJECTS

AI Lead Automation Suite (Mastra & n8n):

- Developed a multi-agent system using **Mastra (Node.js)** and **n8n** to automate B2B lead workflows. Built an autonomous agent that validates leads, provisions test credentials in **PostgreSQL**, and manages email notifications. Additionally, created an intelligent support agent that qualifies customers, schedules **Google Meet** sessions, and routes leads to marketing teams.

Smart Parking System:

- A comprehensive parking management platform that streamlines operations with real-time dashboard analytics, vehicle tracking, and space management. Features include daily/monthly earning reports, revenue growth analytics, customer management, parking statistics, and an intuitive admin interface for managing parking lots, roles, and operational metrics.

Miragic AI:

- An advanced virtual try-on platform powered by AI that provides realistic clothing fitting simulation, speed paint, image background remover.

Pioo AI:

- Developed an advanced AI-powered chatbot platform similar to ChatGPT that provides intelligent natural language interactions for answering questions, assisting with tasks, and engaging in meaningful conversations.

NGO (Audit Based Software):

- This audit-based software is designed to manage and track user loans, savings, Fixed Deposit Receipts (FDR), and deposit accounts. It also monitors the expenses and purchases of Non-Governmental Organizations.

Algorithm Visualization:

- Discover sorting algorithms like Merge, Quick Sort, and more, along with binary search, through captivating visuals and interactivity. (React.js)

Renter - Web-Based Rental Housing Platform:

- "Renter" is a modern, intuitive web-based platform designed to connect landlords with potential tenants seamlessly. Prospective tenants can search for rental properties within a 20km radius of their desired location, view property details, and schedule viewings through an interactive map interface.