ABDUL AL ISLAM

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EXPERIENCE

Associate Software Enginner Oct 2024 – Present
Octopi Digital LLC *Bashundhara, Dhaka*

- Contributed to the Development of **OptimalMD**, a subscription-based healthcare platform using the **React, Node js, Express js, MongoDB**, allowing users to consult with physicians, access pharmacy services, and manage prescriptions
- Built **Monkeymans**, an employee management system using the **React, Node js, Express js, MongoDB**, with features like attendance tracking, task creation, progress monitoring, leave management, and KPI analysis.
- Customized and white-labeled **Open WebUI** to meet unique client needs across different industries, tailoring both UI and functionality to fit business requirements. This platform using the **FastApi, SQLite, VectorDB, Redis, Svelt** tech stack.
- Led R&D initiatives, including the development of a real-time **Bangla-speaking AI voice agent** for smooth, polite customer interactions over voice calls, integrating **fine-tuned LLMs**, **RAG architecture** with **vector databases**, and real-time speech processing
- Mentored 3 junior software developer and conducted technical interviews for 10+ candidates

PROJECTS

E-Commerce Store | *React, Express JS, MongoDB, Redis, WebSocket* **Live GitHub**

- This project integrates **MongoDB** and **Redis** to create a scalable e-commerce platform with optimized caching for enhanced performance. It features **Stripe payment setup**, a **robust authentication system** with JWT for secure access and refresh tokens. It includes a complete **product management, cart** and **checkout process** with **Cloudinary** for storing product images.
- The admin dashboard offers **sales analytics**. Also advanced **security** and **data protection** measures safeguard user information.

Chat Application | *React, MongoDB, NodeJS, ExpressJS* **Live GitHub**

- Built with the MERN stack and **Socket.io** for **real-time** messaging and online user status tracking.
- Used **Zustand** for global state management and **JWT** for **secure authentication and authorization**.
- Implemented full **error handling** (client + server) with a **responsive** UI styled using **TailwindCSS** and **DaisyUI**.

EDUCATION

Green University of Bangladesh Feb 2021 – Feb 2025
B.Sc in Computer Science & Engineering, CGPA: 3.41/4.0 *Dhaka*

- Relevant Coursework: Data Structures & Algorithms, Database Systems, Software Engineering, Machine Learning
- Activities: Green University Language Club IT Advisor

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, JavaScript/Typescript, SQL, C#
Frameworks & Libraries: React, Redux, Node.js, ExpressJS, FastAPI
Databases & Storage: PostgreSQL, MySQL, MongoDB, Redis
Cloud & DevOps: AWS, Docker, Git, Linux
Tools & Technologies: REST API, Microservices

ACHIEVEMENTS & CERTIFICATIONS

Certifications: Web Development from Programming Hero (2024), Web Design from BASIS SEIP Project (2022)
Scores: **Leetcode** - Rate: 1400+, Solved problems: 70+
Research: Identification of Chromosomes In Bio-informatics Using Deep Learning Algorithms