

MD REZAUL HOSSAIN

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SUMMARY

Passionate about AI and software engineering, eager to work on impactful projects involving machine learning, model training, and intelligent automation and looking to contribute to real-world applications in a collaborative research environment.

EXPERIENCE

Software Engineer Integratr.ai Develop and maintain a multi-tenant AI automation platform using FastAPI and Next.js, contributing across both backend and frontend layers.	Oct 2025 - Present
Graduate Teaching Assistant Department of Computer Science and Engineering East West University Courses/Areas: Algorithms, Data Analytics	Oct 2024 - June 2025
Undergraduate Teaching Assistant Department of Computer Science and Engineering East West University Courses/Areas: Algorithms and Machine Learning	Oct 2023 - Oct 2024

PROJECTS

Video Sharing Platform Source Code (Backend) — Node.js, Express, MongoDB Implemented user auth, video uploads, subscriptions, likes, comments, playlists, and watch history.
N8Ventory Source Code (Full Stack) — React, FastAPI, PyTest, PostgreSQL, N8N Implemented Domain-Driven Design (DDD) to manage inventory, orders, and automated billing.

PUBLICATION

Md Rezaul Hossain , Fakiha Rahman Soha, Tajkiratul Abida Ananna, Ruba Sazed, Anisur Rahman, “Leveraging MFCC Features for Bangla Audio Emotion Classification Using a ResNet-Transformer Encoder Fusion.” Artificial Intelligence & Knowledge Processing’25. Accepted, in press
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ACADEMIC ACHIEVEMENTS

Merit Scholarship: Awarded Merit Scholarship for maintaining a CGPA above 3.90 in 2022-2023 academic year.
Medha Lalon Scholarship: Awarded the Medha Lalon scholarship for academic excellence in 2020-2021 academic year.

EDUCATION

BSc in Computer Science and Engineering East West University CGPA: 3.71/4.00	2020 - 2024
Higher Secondary Certificate Brahmanbaria Govt. College CGPA: 4.67/5.00	2018

TECH STACK

C++, Python, TypeScript, JavaScript FastAPI, React.js, Express.js, Mongoose, SQLAlchemy, Multer, N8N MongoDB, PostgreSQL, Cloudinary Appwrite, Node.js, Tailwind CSS
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