

# 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

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

## 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 Sazeda, Anisur Rahman, "Leveraging MFCC Features for Bangla Audio Emotion Classification Using a ResNet-Transformer Encoder Fusion." Artificial Intelligence & Knowledge Processing'25. | Accepted, in press

## ACADEMIC ACHIEVEMENTS

**Merit Scholarship:** Awarded Merit Scholarship for maintaining a CGPA above 3.90 in 2022-2023 academic year.

**Medha Lalor Scholarship:** Awarded the Medha Lalor scholarship for academic excellence in 2020-2021 academic year.

## EDUCATION

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

## TECH STACK

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