

# RAHUL KARMAKAR

Full Stack Web Developer

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GitHub

LinkedIn

## EDUCATION

### B.Tech in Computer Science & Engineering

Maulana Abul Kalam Azad University of Technology

Average CGPA ( upto 6th semester) : 9.01 out of 10

Aug '21 - Present

West Bengal, India

### Class 12th Boards

West Bengal Council of Higher Secondary Education

Marks : 77%

Apr '18 - Mar '20

West Bengal, India

### Class 10th Boards

West Bengal Board of Secondary Education

Marks : 78%

Mar '18

West Bengal, India

## EXPERIENCE

### Full Stack Web Developer (Intern) | Tecosys

July - Aug' '2024

**Tech Stack :** ReactJS, NextJS, ShancdUI, AcernityUI, ExpressJS, TailwindCSS, NodeMailer

- Led integration of the Razorpay payment gateway, developed payment pages and APIs, and provided support to team members in component development.
- Collaborated with the team to create and optimize multiple web pages, assisting in component development.

## PROJECTS

### 1. jwt-auth-utility [\[Live\]](#)

Oct' 2024

**TECH STACK:** NodeJS | jsonwebtoken

- A lightweight Node.js package simplifying JWT handling for secure authentication. Easily configure token generation, validation, expiration, and refresh tokens—perfect for enhancing security in any authentication flow.

### 2. NeoChat [\[Source Code\]](#) [\[Live\]](#)

July to Aug' 2024

**TECH STACK:** ReactJs | ExressJs | MongoDB | WebSocket | Crtptr | Tailwind | Cloudinary | Vercel | Render

A Real time chat web application.

- Implemented JWT for secure user authentication.
- Key features include real-time user online/offline status, last message and timestamp display, encrypted messaging, file sharing with download capability, and user-created channels and groups.
- Integrated debouncing for efficient user search.
- Hosted on Vercel and AWS EC2 for scalable deployment.

### 3. StudyNotion [\[Source Code\]](#) [\[Live\]](#)

Dec' 2023 to April' 2024

**TECH STACK:** ReactJs | ExressJs | MongoDB | Tailwind | Cloudinary | Vercel | Render

A full stack EdTech web app with three distinct user roles (Student, Instructor, Admin).

- Developed features for Instructors to create/manage courses, Students to purchase/review courses, and Admins to handle category management and other administrative tasks.
- Integrated Razorpay for secure payment processing and implemented robust user authentication.
- Enabled email notifications and designed distinct dashboard functionalities for each user role.
- Fully responsive design, hosted on Vercel and Render, with media storage managed by Cloudinary.

## SKILLS

**Programmin Languages:** C, Python, Javascript, Typescript

**Technologies:** HTML, CSS, ReactJS, NextJS, NodeJs, ExpressJs, MongoDB, MySQL, WebSocket(Socket.io), Redis, AWS(IAM, S3, EC2), Git & Github, linux

**Course Subjects:** Object Oriented Programming, DBMS, DSA