Rajesh Pal

MERN Stack Developer

⊙ Muradpur, Chittagong, Bangladesh. @ ajoypal.raj@gmail.com

🔗 https://my-personal-portfolio-inky-pi.vercel.app/

○ Skills ○

JavaScript
Strong understanding of ES6+ features, event loop, closures, and asynchronous programming.

ES6, DOM, Async/Await, Closures, Hoisting

React.js
Experience in building dynamic UIs, using hooks, context API, and implementing routing.

Hooks, Context API, React Router, Redux

Node.js
Knowledge of building RESTful APIs, using middleware, authentication, and server-side logic.

Express.js, JWT, Middleware, REST APIs

MongoDB
Ability to design schemas, optimize queries, and perform aggregation operations.

Mongoose, Aggregation, Schema Design

SQL
Basic understanding of relational databases, writing queries, and performing joins.

Queries, Joins

Socket.io
Good knowledge of WebSockets for real-time communication in chat applications.

Profiles

- ○ rajpuc
- ▤ rajesh-pal25

Summary

Passionate **MERN Stack Developer** with a strong foundation in **JavaScript, React, Node.js, and MongoDB**, eager to build scalable and efficient web applications. Experienced in developing **real-time applications, authentication systems, and RESTful APIs**, with a focus on **performance, security, and user experience**. Skilled in **problem-solving**, having solved **100+ coding challenges** on various online judges. Enthusiastic about **competitive programming, deep learning, and modern web technologies**.

Education

Premier University
Computer Science and Engineering
3.84
BSC
2019-2024

Projects

ChatVerse
A **real-time chat application** , allowing users to create and join chat rooms with instant messaging functionality. Implements **JWT authentication**, message persistence, and WebSocket synchronization for seamless communication.

🔗 https://github.com/rajpuc/RealTimeChattingApp#chatverse-documenta

Learning Management System (LMS)
A **MERN stack-based Learning Management System** that enables users to **enroll in courses, track progress, and manage educational content**. Features include **user authentication, role-based access (students/instructors/admins), course management, and interactive dashboards**.

🔗 https://learning-management-system-orcin.vercel.app/

Taskify
Designed and developed a **full-stack to-do application** with **secure authentication, efficient task organization,**

WebSockets, Event-driven programming

Competitive Programming
Experience in solving 100+ problems on various online judge.

Machine Learning
Basic knowledge of deep learning concepts, CNN, and Transformers using PyTorch.

CNN, Transformers, Python, PyTorch

and user-friendly UI. Implemented **Nodemailer for email verification and password reset functionality**, ensuring **a seamless user experience**.

🔗 https://github.com/rajpuc/TaskifyTodo

References

● **Syed Md. Minhaz Hossain**
Associate Professor, Department of Computer Science and Engineering

Premier University, Chattogram

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🔗 https://cse.puc.ac.bd/Home/Profile?userName=minhaz_cse