Rajesh Pal

MERN Stack Developer

📞 +880 183974101

✉ ajoypal.raj@gmail.com

🌐 rajeshcseportfolio

🐙 rajpuc

in rajesh-pal25

Skills

Programming Languages: JavaScript, TypeScript, C++

Frontend: React.js, Nextjs(basic), Tailwind CSS, Bootstrap, Framer Motion, Zustand, Redux, RTK query

Backend: Node.js, Express.js

Database: MongoDB, SQL (Basic)

Real-time Communication: Socket.io

Tools: Git, GitHub, Postman, Render, Vercel

Competitive Programming: Solved 100+ problems on various online judges

Machine Learning: Basic knowledge of Deep Learning, CNN, Transformers using PyTorch

About Me

Passionate MERN Stack Developer with a strong foundation in JavaScript, React, Node.js, and MongoDB. Experienced in building real-time application, authentication systems and RESTful APIs. Eager to contribute to challenging projects that require clean code, performance optimization, and collaborative teamwork.

Projects

Patient Management System(Client Project)

Full-stack app for a doctor to manage patients, create/print prescriptions, and view past visit history. Automatically fetches previous records for returning patients to assist in treatment decisions.
Tech Stack: React.js, Node.js, Express.js, MongoDB, Tailwind CSS

ChatVerse – Real-time Chat App   github/chatverse

Full-stack real-time chat app with one-on-one and group messaging, online/offline status via Socket.io, and image sharing. Features JWT auth, protected routes, user search, dark mode, and robust validation. Zustand is used for smooth state management and a reactive UI.
Tech Stack: React.js, Node.js, Express.js, MongoDB, Socket.io, Zustand, Tailwind CSS, JWT

PlainB – Ecommerce Project   github/plainb

Full-featured e-commerce platform with OTP-based login (email/phone), dynamic cart with quantity updates, wishlist, and product search/filter. Integrated SSLCommerz for secure online payments.
Tech Stack: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, SSLCommerz

GoalGrid   github/goalgrid

GoalGrid is a roadmap app that allows users to create an account and interact with existing roadmap items through upvoting, commenting, and replying — enabling collaboration, feedback, and idea sharing.
Tech Stack: React.js, Node.js, Express.js, MongoDB, Tailwind CSS

Weatherly – Weather App   github/weatherly

Responsive weather app with city search, live suggestions, and real-time data via OpenWeatherMap API. Saves recent searches, supports dark mode, and includes custom loading/error states. Uses RTK Query for fast, cached API fetching.
Tech Stack: React.js, TypeScript, Tailwind CSS, RTK Query, OpenWeatherMap API

Bengali Image Captioning Model   github/capmodel

Built a deep learning model that generates natural language captions for images in Bengali. Used ResNet152 for visual feature extraction and a Transformer-based decoder for caption generation. Integrated BERT Tokenizer for Bengali text processing and evaluated results using the BLEU Score. This project bridges computer vision and NLP in a low-resource language setting.
Tech Stack: PyTorch, ResNet152, Transformer, BERT Tokenizer, BLEU Score

Education

2019 - 2024

Premier University
BSc in Computer Science and Engineering
CGPA: 3.84