


# Sanjiban Dey

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🔗 [github.com/sanjiban-dey-2000](https://github.com/sanjiban-dey-2000) 🔗 <https://portfolio-1-2hnc-sanjiban-deys-projects.vercel.app/>

## PROFILE

**Full Stack Developer / Software Developer** with a strong **Computer Science background** and experience in building **responsive, scalable web applications**. Skilled in **MERN stack (MongoDB, Express.js, React.js, Node.js)** and **Java/Spring Boot** for end-to-end development. Proficient in **RESTful APIs, secure authentication (JWT, cookies), relational and NoSQL databases (MySQL, PostgreSQL, MongoDB)**, and modern **UI frameworks (Tailwind CSS, Bootstrap)**. Experienced with **Git/GitHub, Postman, Maven, Gradle, Vercel, and Netlify**, with a focus on delivering **clean, maintainable, and efficient code**.

## SKILLS

### Programming Languages

Java, Javascript, C++

### Databases

MySQL, MongoDB, PostgreSQL

### Frontend Development

HTML, CSS, Bootstrap, Tailwind CSS, React.js

### Tools & Platforms

Git, GitHub, Maven, Gradle, Postman, Vercel, Netlify

### Backend Development

Node.js, Express.js, Spring Boot, Spring Data JPA, Hibernate, Spring Security, RESTful APIs

### Computer Science & Core Concepts

Data Structures and Algorithms, Machine Learning Algorithms, Operating System, Computer Networks, DBMS

## PROJECTS

**StockMini** 🔗 [Link: https://github.com/sanjiban-dey-2000/StockMini](https://github.com/sanjiban-dey-2000/StockMini)

*Inventory Management System*

**Technologies:** MERN (MongoDB, Express.js, React, Node.js), Tailwind CSS

- Engineered a full-stack inventory solution to manage 100+ products, 50+ customers, and 30+ suppliers with robust.
- Developed real-time order tracking and dynamic UI components using React and Tailwind CSS for cross-device
- Designed RESTful APIs with Express.js and secured backend operations using JWT-based authentication and middleware-protected routes.

**HealNow** 🔗 [Link: https://github.com/sanjiban-dey-2000/HealNow](https://github.com/sanjiban-dey-2000/HealNow)

*A mental health wellness web application*

**Technologies:** React.js, Tailwind CSS, Node.js, Express.js, MongoDB, Socket.io, Openrouter.ai, Mistral 7B

- Developed a mobile-first, full stack web app for mental wellness featuring user authentication, therapist session booking, and chatbot support.
- Integrated open-source LLM (Mistral 7B via OpenRouter.ai 🔗 ) to build an AI chatbot for mental health assistance.
- Implemented secure login/logout with JWT and cookie-based authentication, and designed role-based user flows (patients, therapists).
- Added Razorpay payment gateway integration for seamless booking payments, and built a mini social feed for user

**NeuroSageNet** 🔗 [Link: https://github.com/sanjiban-dey-2000/NeuroSageNet](https://github.com/sanjiban-dey-2000/NeuroSageNet)

*Brain Tumor Detection Web Application*

**Technologies:** Python, Flask, Node.js, React, TensorFlow (VGG16), MongoDB, Tailwind CSS

- Built a hybrid web application for medical image classification using a fine-tuned VGG16 CNN model, achieving 95–99% prediction confidence and 97% accuracy.
- Implemented a modular architecture with Flask handling AI inference and Node.js managing authentication and routing.
- Secured user authentication with JWT and bcrypt.js, and used MongoDB for session and user data management.
- Integrated Axios and EJS to dynamically render server-side prediction the client UI for an efficient user experience.

## EDUCATION

### Master of Computer Applications

*Vidyasagar University*  
CGPA: 9.05

08/2023 – 08/2025  
Medinipur

### Bachelor of Computer Applications

*Kharagpur College*  
CGPA: 7.8

08/2019 – 08/2022  
Kharagpur

## CERTIFICATES

### Web Development 🔗

Internshala - August, 2021  
(Credential ID 277FE8C3-4CE3-B6B0-7FF8-A6C97814EC0D)