

Sanjiban Dey

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<https://portfolio-1-2hnc-sanjiban-deys-projects.vercel.app/>

Profile

Software Developer (Full Stack) skilled in **Java, Spring Boot, React.js, Node.js, and MongoDB**. Experienced in the **software development lifecycle (SDLC)**, including **API design, debugging, unit testing, and deployment**. Proficient in **Agile practices, authentication systems (JWT, cookies), and scalable application design**. Strong foundation in **data structures & algorithms** and familiar with **CI/CD pipelines and design patterns**. Passionate about **problem-solving, software architecture, and building efficient systems**.

Technical Skills

Languages

Java, JavaScript

Databases

MySQL, MongoDB, PostgreSQL

Frontend

React.js, HTML5, CSS3, Bootstrap, Tailwind CSS

Tools & Platforms

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

Backend

Node.js, Express.js, Spring Boot, Spring Data JPA, Hibernate

Concepts

RESTful APIs, JWT Authentication, Agile, SDLC, Unit Testing (JUnit, Jest), CI/CD (familiar)

Projects

StockMini [🔗](#)

Inventory Management System

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

- **Engineered** a full-stack system to manage **100+ products, 50+ customers, 30+ suppliers**.
- **Designed and implemented** RESTful APIs with Express.js and **secured** backend operations using JWT-based authentication.
- **Optimized** UI responsiveness and real-time order tracking with React & Tailwind CSS.

HealNow [🔗](#)

A mental health wellness web application

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

- **Built** a mobile-first wellness platform featuring **secure authentication, therapist booking, and chatbot support**.
- **Integrated** an AI chatbot (Mistral 7B via OpenRouter.ai [🔗](#)) for mental health assistance.
- **Implemented** role-based flows and **deployed** Razorpay payment gateway for seamless transactions.

NeuroSageNet [🔗](#)

Brain Tumor Detection Web Application

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

- **Developed** a hybrid web app achieving **95–99% prediction confidence and 97% accuracy** with a fine-tuned VGG16 CNN model.
- **Architected** a modular system with Flask handling AI inference and Node.js managing authentication.
- **Secured** user sessions with JWT & bcrypt.js, and **integrated** MongoDB for session management.

Education

Master of Computer Applications (MCA)

Vidyasagar University

CGPA: 9.05

08/2023 – 08/2025

Medinipur

Bachelor of Computer Applications (BCA)

Kharagpur College

CGPA: 7.8

08/2019 – 08/2022

Kharagpur

Certificates

Web Development [🔗](#)

Internshala - August, 2021

(Credential ID 277FE8C3-4CE3-B6B0-7FF8-A6C97814EC0D)

Soft Skills

Problem-solving & Analytical Thinking, Team Collaboration & Communication, Adaptability & Time Management, Creativity & Continuous Learning