

Sandipan Das

☎ 8335019404 / 6289156937 | ✉ dsandipan3002@gmail.com | 🐙 GitHub | 🔗 LinkedIn | 📄 LeetCode

ABOUT

Motivated and detail-oriented Full Stack Developer with strong knowledge of MERN stack development, REST API design, scalable backend systems, and SAP ABAP development. Passionate about building real-world applications with hands-on experience in Node.js, React.js, MongoDB, Socket.io, AWS, and SAP ABAP using Eclipse ADT. Developed multiple production-level projects, practiced ABAP mini projects with Open SQL and Data Dictionary concepts, published an open-source NPM package, and actively contributed to AI-powered learning platforms and real-time systems. Quick learner with strong problem-solving skills, teamwork, and a product-focused mindset.

EDUCATION

Future Institute of Engineering and Management

October 2022- July 2026

B.Tech in Computer Science and Engineering | CGPA: 7.39/10

Affiliated to Maulana Abul Kalam Azad University of Technology (MAKAUT), West Bengal Kolkata, West Bengal

Naihati Narendra Vidyaniketan

2020 – 2022

Higher Secondary Education (Science) | Percentage: 83.6%

West Bengal

Shyamnagar Kanti Chandra High School

2015 – 2020

West Bengal Board of Secondary Education | Percentage: 89.5%

West Bengal

SKILLS

Languages : Java, JavaScript, HTML, CSS, SQL

Frameworks & Libraries : Node.js, Express.js, React.js, Spring Boot, Redux

Databases : MongoDB, PostgreSQL, MySQL

DevOps & Cloud : AWS, Docker (Basic), Git, PM2, Nginx

SAP Technical Skills : SAP ABAP, ABAP Dictionary, Open SQL, Internal Tables, Classical Reports, Modularization Techniques, CRUD Operations, Data Elements, Domains, Tables, Debugging, Eclipse ADT

Other : REST API Design, JWT Authentication, Socket.io, NPM Package Publishing

LANGUAGES

Bengali (Native) | English (Professional Proficiency) | Hindi (Working Proficiency)

SAP ABAP PROJECTS

Student Management System (ABAP Mini Project)

- Developed a basic student management system using SAP ABAP in Eclipse ADT
- Implemented CRUD operations using Internal Tables and Open SQL
- Created simple reports for displaying and filtering student data

Employee Record Management System

- Built a small ABAP application to manage employee details and records
- Worked with SAP Data Dictionary objects such as Tables, Domains, and Data Elements
- Used Open SQL queries for inserting, updating, deleting, and fetching records

Basic Sales Report Generator

- Created a simple sales report generation program using Classical Reports
- Implemented loops, conditional statements, and modularization techniques
- Performed debugging and testing using SAP Eclipse ADT tools

PROJECTS

Hospital Management System | [GitHub](#)

- Developed a full-stack hospital management system using **Java, Spring Boot, Spring Security, JWT, React, and MySQL**
- Implemented role-based access for Admin, Doctor, Receptionist, Pharmacist, Lab Staff, Nurse, and Patient
- Built secure REST APIs for appointments, prescriptions, billing, patient records, and authentication

MelBuddy - Social Activity Booking Platform

- Developed a full-stack social activity booking platform using **Node.js, Express.js, React Native, MongoDB, and AWS**
- Implemented identity verification, real-time notifications, secure payment workflows, and activity booking
- Integrated AWS SES, Firebase Notifications, and content moderation for secure and scalable user interactions

Geo Attendance Tracking System

- Built a location-based attendance system using GPS geofencing for automatic check-in and check-out
- Implemented real-time employee location tracking with secure authentication and attendance history
- Designed REST APIs and optimized backend services for accurate attendance validation

Real-Time Chat Application | [GitHub](#)

- Built a scalable MERN-based real-time chat application using **Socket.io** for instant bidirectional communication
- Implemented JWT authentication and Redux-based centralized state management
- Designed backend APIs and handled concurrent user communication efficiently

Rental & Travel Booking Platform | [GitHub](#)

- Developed a full-stack booking platform with separate dashboards for users and owners
- Implemented advanced search filters, booking workflows, and availability tracking
- Solved date-overlap conflicts using optimized backend booking validation logic

EMA Alert System

- Built an automated trading alert system based on **EMA 20 breakout strategies**
- Implemented real-time market monitoring to generate high-probability trade alerts
- Optimized backend signal detection logic to reduce false signals and improve live market performance

CERTIFICATIONS

Cloud Computing with AWS

Ardent Computech Pvt. Ltd.
Certificate Link

Mar. 2025 – Apr. 2025

Cloud Based Full Stack Development with MERN

Ardent Computech Pvt. Ltd.
Certificate Link

Dec. 2023 – Mar. 2024

SAP ABAP

Udemy
Certificate Link

Jan. 2026 – Feb. 2026

ACHIEVEMENTS

- **First Prize Directrix Intra-College Hackathon:** Developed a College Library Management System in C featuring inventory management, issue/return tracking, and fine calculation using file handling
- **Smart India Hackathon (Inter-College):** Developed a Bus Route Management System to optimize routes, schedules, and transportation tracking