# **ANISH SAHA**

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<u>Codechef</u>
Codeforces

#### **EDUCATION**

ST. LAWRENCE.HIGH. SCHOOL: 10th=70.5%, 12th=76.5%

**B. P. Poddar Institute of Management and Technology (BPPIMT)** Bachelor of Technology – Electronics & Communication Engineering; **GPA: 8.15** 

Kolkata, 2019, 2021 Kolkata, West Bengal, India September 2021 - July 2025

Courses: DBMS, DSA, Image Processing, Information theory & Coding, Computer Network, OOPs

#### **SKILLS SUMMARY**

Languages: JavaScript, C++, MYSQL, Java

Frameworks: ReactJS, NextJS, NodeJS, Tailwind CSS, Postman, Bootstrap

Tools and Platforms: MongoDB, React, Express, Redux, Postman, Axios, PostgreSQL, Vercel

Soft Skills: Effective Communication, Time Management, Writing, Active Listening, Teamwork, Adaptability

Spoken Language: Hindi, English, Bengali - (Native)

#### **EXPERIENCE**

#### Ardent Computech

Remote

• Full Stack Developer:

July 2024 – August

- Designed and implemented a **JWT-based authentication system**, ensuring secure user login and session management for a social media applicaion
- ② Developed the frontend for authentication using React.js, enabling seamless user registration and login.
- 1 Utilized Node.js and Express.js to handle server-side logic, and MongoDB for data storage.
- Technologies used: React, Postman, Express, NodeJS, MongoDB, Redux

## **PROJECTS**

## DoodleFlow: Link

Developed a **feature-rich, interactive drawing app** inspired by Excalidraw, using **React & TypeScript** with the HTML5 Canvas API.

- Implemented shape drawing (rectangle, ellipse, line, freehand), text input, selection, and editing.
- Added color picker, undo functionality, and export to PNG for better user experience.
- Optimized performance with efficient state management and touch support for mobile devices.

## SmartNotes: Link

Developed a powerful note-taking app that helps users organize their thoughts, ideas, and tasks in one place.

- Implemented AI-powered features such as smart content generation, intelligent summarization, and AI-driven tagging suggestions to enhance user productivity.
- Utilized React 19, TypeScript, Zustand and Tailwind CSS for a responsive and intuitive frontend experience.
- Integrated Supabase for secure user authentication and robust backend database management.
- Designed a user-friendly interface with features like easy note creation, powerful search, tag organization, and color coding.

## LogiqDB: Link

**Technologies**: C++, File Handling, Query Processing, Data Structures, File I/O

A simple yet effective database management system built in C++ that supports:

- Table creation with dynamic columns and **primary key** support.
- CRUD operations (Create, Read, Update, Delete) implemented with error handling and data validation.
- Query processing using a custom query language supporting SELECT, INSERT, and DELETE commands.
- File management for data persistence and efficient reading and writing to external files.
- Join operations to combine data from multiple tables based on specific conditions

## COURSEWORK / ACHIEVEMENTS

- o SIH'23 Qualifiers: Qualified for Smart India Hackathon Qualifiers Round in our college.
- o Backend Rest API with NodeJS
- o Leetcode Weekly Contest 438 Global Rank: 663
- o CodeChef Starters 175 Div 4 Global Rank: 141