

BAIVAB SARKAR

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OBJECTIVE

Aspiring Software Engineer with 2 years of Java experience and strong JavaScript proficiency. Dedicated to leveraging frontend skills and agile methodologies for effective contributions to dynamic software projects.

PROJECT

ACADEMIC MANAGEMENT SYSTEM - [LIVE](#)

January-Present 2024

Front-End Developer

- Developed an Academic Management System for educational institutions with multi-level user access, real-time attendance tracking, and comprehensive reporting, reducing administrative workload by 60%.
- Utilized **HTML**, **CSS**, **SCSS**, **JavaScript** for frontend, **Spring** framework with **RESTful APIs**, **Redis** for backend, and **PostgreSQL** with **JPA** for database operations.
- Designed to streamline attendance recording and management for administrators, teachers, and students, enhancing operational efficiency and data accuracy by 94%.

SKETCHFLOW - [LIVE](#)

June 2024

- Developed SketchFlow, a web app enabling users to draw shapes with tools like Brush, Rectangle, Circle, Line, and Erase, enhancing creative productivity and engagement.
- Implemented adjustable brush sizes, color picker, save/clear functionality, and undo/redo actions.
- Utilized **HTML5**, **CSS3 (Bootstrap)**, **JavaScript (Canvas API)**, and **jQuery**.

MARKDOWN VIEWER - [LIVE](#)

December 2023

- Developed a Markdown Viewer web app with sync scroll, format selection (HTML, PDF, Markdown), and export/import capabilities, reducing content formatting time by 40%.
- Used Markdown-it for parsing and **jQuery** for **DOM** manipulation, and implemented features for importing HTML or Markdown content, enhancing usability.

SKILLS

- **Technical Skills:** C, Java, HTML, CSS, SCSS, JavaScript, Bootstrap, MySQL, API Handling.
- **Tools:** Git, GitHub, Docker, MS PowerPoint, Postman, Figma.
- **Miscellaneous:** Data Structures and Algorithms, Object Oriented Programming (OOPs), Operating System, Database Management System, Computer Networks.
- **Interpersonal Skills:** Collaborating, Teamwork, Leadership, Time management, Adaptability.

EDUCATION

JIS COLLEGE OF ENGINEERING

B.Tech in Computer Science. CGPA: 9.05/10

Kalyani, West Bengal

October 2021 – Expected August 2025

ACHIEVEMENTS (CERTIFICATION'S)

- **Data Structures – [VIEW](#)** September 2023
Coursera - University of California San Diego.
- **HTML, CSS, and JavaScript for Web Developers – [VIEW](#)** November 2022
Coursera - Johns Hopkins University