ARITRA DHANK

+91 6291480523 | aritradhank21@gmail.com | LinkedIn | GitHub | Leetcode

Professional Summary

Aspiring **Software Engineer** with strong fundamentals in **computer science, full stack development**, and hands-on experience building scalable web applications using the **MERN stack**. Proficient in **DSA, OOP, API development**, and problem-solving. Eager to apply engineering principles to solve real-world problems, learn new technologies, and contribute to impactful software at scale.

Technical Skills

Programming Languages: JavaScript, C++, C
Web Technologies: HTML, CSS, React.js, Node.js, Express.js
Databases: MongoDB, MySQL, SQL
APIs: RESTful APIs
Core CS Concepts: Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Operating Systems (OS), Computer Networks (CN), Database Management Systems (DBMS)
Tools & Platforms: Git, GitHub

Projects

- **Attendance Tracker App**   **February 2025 – March 2025**
  Live Link | GitHub Repo
  - ○ **Architected** a full-stack **attendance management system** to streamline **class scheduling** and **daily tracking**, improving academic productivity.
  - ○ **Orchestrated** the integration of **routine uploads**, **JWT-based authentication**, and a **live attendance dashboard** using the **MERN stack** (**MongoDB, Express.js, React.js, Node.js**) and **Tailwind CSS**.
  - ○ **Launched** the platform via **Render**, supporting **real-time statistics** across **desktop and mobile devices**.
  - ○ **Enhanced** user engagement by enabling **structured routine visibility** and clear tracking of **attendance percentages**.

- **Book Store Application**   **April 2025 – May2025**
  Live Link | GitHub Repo
  - ○ **Engineered** a scalable, **role-based e-commerce web app** with **distinct user and admin panels** to replicate a real-world online retail system.
  - ○ **Implemented** dynamic **inventory control**, **secure login** via **JWT**, and **transactional features** using **Cloudinary** for **media handling** and **Razorpay** for **payment processing**.
  - ○ **Streamlined** UI/UX using **React.js** and **Tailwind CSS**, while maintaining server-side logic with **Node.js** and **Express.js**.
  - ○ **Deployed** the project on **Render**, simulating **end-to-end purchase workflows**, including **real-time order updates** and **stock tracking**.

Education

MCKV INSTITUTE OF ENGINEERING	**August 2023 – Present**
Computer Science Engineering (Artificial Intelligence and Machine Learning)	*CGPA : 8.9*
JOGAMAYA MEMORIAL INSTITUTE	**April 2022 – February 2023**
ISC	*Percentage: 82%*
JOGAMAYA MEMORIAL INSTITUTE	**April 2020 – February 2021**
ICSE	*Percentage: 85%*