

# AARYAN ANIL KUMAR SINGH

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## Education

### B.Tech in Computer Science

Nov. 2022 – Ongoing

Indian Institute of Information Technology, Kota

Kota, Rajasthan

CGPA: 8.3

## Relevant Coursework

- Data Structures
- Software Engineering
- Web Development
- Database Management
- Artificial Intelligence
- Operating Systems
- Object Oriented Design
- UI/UX Designing

## Projects

### Qissaa | *React, Tailwind, Express, Node, MongoDB* — Github

January 2024

- Constructed the Back End of a full stack social media application, targeted for LGBTQ+ community. Handled many key cases.
- Spearheaded the implementation of JWT for secure user authentication, slashing login times by **50%** and enhancing system scalability by eliminating session management overhead.
- Implemented MongoDB with Mongoose for database management, leveraging object modeling and schema validation to ensure data integrity and flexibility; enhanced database interaction efficiency by **40%** and reduced query response time by **25%**
- Ensured data integrity and consistency by implementing Validator and Zod for input and schema validation; reduced user input errors by **45%** and improved data reliability by **30%**
- Handled UI/UX Decisions. Co-Developed the UI/UX of the Platform

### Alumni Portal | *React, Tailwind, Node, Express, MongoDB, Material UI* — Github

December 2023

- Collaborated on the development of a full-stack web application utilizing React.js for the frontend and Node.js with Express.js for the backend, ensuring seamless integration and communication between the two layers.
- Implemented RESTful API endpoints on the backend to facilitate data exchange with the frontend, allowing for efficient CRUD operations and real-time updates. Integrated MongoDB database using Mongoose ODM, ensuring data persistence and integrity while providing scalability for future expansion.
- Developed a responsive and intuitive user interface using React.js, enabling users to interact with the application seamlessly across various devices.
- Enforced user authentication and authorization mechanisms using JSON Web Tokens (JWT), ensuring secure access to application features and protecting sensitive user data..

### Portfolio Website | *React, Tailwind, EmailJS* — Github

May 2024

- Designed a portfolio website for myself
- Implemented the design using Reactjs and Tailwind CSS
- Used React-icons for the icons and React-toastify for toasts
- Employed EmailJS to develop the contact form.

## Technical Skills

**Languages:** C, C++, JavaScript, Python, Java, SQL

**Developer Tools:** VS Code, Postman, Google Cloud Platform, Replit, CodePen, Canva

**Web Technologies:** Reactjs, TailwindCSS, Material UI, Nodejs, Expressjs, MongoDB, Prisma

## Contest Ranks and Ratings

Rank 204, Codechef Starters 136, Codechef Rating:1595, CodeChef Profile:// [aaryan9](https://www.codechef.com/aaryan9)

200+ on LeetCode, LeetCode Rating: 1580, LeetCode Profile:// [aaryan9](https://leetcode.com/aaryan9)

ICPC Mathura Kanpur Preliminary Contest, Country Rank: 513, College Rank:2

## Leadership / Extracurricular

### Team Green Campus Chapters IIIT KOTA

October 2023 – Present

SENIOR CONTENT TEAM MEMBER

Indian Institute of Information Technology, Kota

- Experienced lead content strategist at TGCC IIIT Kota, growing their socials by **70%**
- Proficient in content strategy for social media platforms and events, with expertise in creation and promotion.
- Managed the LinkedIn process, assisted in the soft onboarding process of new club members, providing them with guidance, resources, and feedback.