

# KRISHNA RATHOD

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LinkedIn

GitHub

Portfolio

Leetcode

Bangalore, India

## EDUCATION

### Dayananda sagar university

Bachelor of Technology in computer science and Technology (6.01-current)

2022-2026

Bangalore, india

## EXPERIENCE

### Full Stack Development Intern

jan 2025 – feb 2025

[technofly solution] | [27-01-25] - [27-02-25]

office

- **Backend API Development & Optimization:** Designed and implemented scalable RESTful APIs using Java/Spring Boot that improved system efficiency by 25% through optimized database queries and caching mechanisms
- **Frontend Development & UI Optimization:** Built interactive frontend components with **JavaScript/React** and responsive designs using **HTML/CSS**
- **Database Optimization & Schema Design:** Redesigned and optimized **SQL/NoSQL** database schemas through strategic indexing and query restructuring.
- **Full Stack Development Experience:** During my internship, I designed and implemented scalable **RESTful APIs using Java/Spring Boot**, improving system efficiency by **25%** through optimized database queries and caching mechanisms. On the frontend, I developed interactive user interfaces with **JavaScript/React**, building responsive components with **HTML/CSS** to enhance the user experience across devices.
- My work included significant **database optimization**, where I redesigned **SQL/NoSQL schemas** through strategic indexing and query restructuring, resulting in measurable performance gains. These full-stack contributions—spanning backend API development, frontend engineering, and database tuning—demonstrated my ability to deliver technical solutions that drive system improvements.

## TECHNICAL SKILLS

**Skills :** C++, C, JavaScript, HTML, CSS, NextJS, ReactJS, NodeJS, Redux, java, MongoDB, T, Material UI, Docker, Bash, REST APIs, Git, Spring Boot

**Core Subjects:** Data Structures and Algorithms, Object Oriented Programming, Operating System, Computer Networks, Database Management System

## PROJECTS

### Medical Student Portal

- *ReactJS, MongoDB, ExpressJS, NodeJS, Material UI* | [Live] | [Github]
- Developed an educational portal enabling students to select classrooms, apply for leave online, download hall tickets, and track attendance/marks
- Implemented teacher dashboard for classroom assignment, student information management, and academic oversight
- Streamlined school operations by digitizing 8+ administrative processes, improving efficiency for 500+ users
- Built with MERN stack featuring JWT authentication and responsive Material UI components

### *ReactJS, MongoDB, ExpressJS, NodeJS, Material UI*

- Created a full-stack social media platform with post creation, like/dislike interactions, comments, and friend management
- Developed user profile exploration system showing friends list, mutual connections, and activity feed
- Designed 15+ REST APIs from scratch to handle real-time data interactions and user authentication

## LEADERSHIP AND ACHIEVEMENTS

- **Finalist** at prestigious coding competition, TechGig Goddess Coding Contest, powered by AMEX,
- **Problem Setter** at Codechef Adgitm Chapter, crafted intricate problem sets for various coding competitions.
- Completed Virtual Developer experience program at **Accenture**