

# ADITYA KUMAR

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## Education

**Bharath Institute of Higher Education and Research**

*Bachelor of Technology in Computer Science(cgpa:- 8.4/10)*

**Chennai, Tamilnadu**

*July 2020 - May 2024*

## Skills

- **Language:** C++, Java.
- **FrameWork:** React.js, Spring Boot.
- **Tools:** VsCode, Git, GitHub.
- **Web Technology:** HTML, CSS, JavaScript, React js, Node js, MYSQL
- **CourseWork:** Data Structure and Algorithm, Object Oriented Programming.

## Full Stack Developer Intern

**Dakr Solution**

**Dec-2024 - Feb-2025**

- Developed and maintained the **frontend** of an EdTech project using **Angular 17**, ensuring a responsive and user-friendly interface.
- Implemented **backend services** with **Spring Boot**, integrating APIs and managing data flow between the application and the database.
- Collaborated with cross-functional teams to deliver high-quality, scalable, and secure solutions within project timelines.

## Projects

### **SORTING VISUALIZATION**

**GitHub**

- Innovated and built an interactive sorting visualization web page using **HTML**, **CSS**, and **JavaScript** allowing users to explore and compare 5 different sorting algorithms **Bubble Sort**, **Quick Sort**, **Merge Sort**, **Insertion Sort**, **Selection Sort**.
- Implemented and customized controls enabling users to **adjust, monitor, and manipulate** sorting speed with real-time updates, achieving up to **50% faster response times** on algorithm visualization.
- Engineered and Simplified a **user-friendly** Software interface, facilitating seamless interaction with over 100+ sorting steps clearly visualized, enhancing algorithm comprehension for users.
- Adaptive and streamlined sorting processes, improving rendering efficiency by 30 and ensuring smooth transitions for all algorithms, increasing user engagement.

### **NETFLIX-CLONE**

**GitHub**

- Designed and developed a fully responsive Netflix front-end clone using **React.js** and **Firebase**, replicating the platform's UI/UX and serving over 100+ unique elements across multiple pages.
- Integrated Firebase Authentication for secure user management and **APIs** for real-time movie catalog updates, ensuring **compliance** with data usage policies.
- Utilized and structured React components and state management to build and scale a flexible interface, processing real-time data and interactions with over 50% faster rendering.
- Emphasized **product development** and continuous improvement, optimizing the user authentication flow to improve efficiency by 30%

## Coding Handles

Portfolio - [Link](#)

Leetcode - [Link](#)

GeeksForGeeks - [Link](#)

HackerRank - [Link](#)

## Achievements

- Solved 400+ Questions on LeetCode.
- Achieved **5-Star** rating on HackerRank.
- Achieved Institute Rank **Top 3** on GeeksForGeeks.