

Aman Raj

Bachelor of Engineering
Dayananda Sagar College of Engineering, Bengaluru

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🐙 GitHub Profile
🌐 LinkedIn Profile

EDUCATION

- **Bachelor of Engineering in Computer Science and Engineering** 2022-26
Dayananda Sagar College of Engineering, Bengaluru CGPA: 9.09
- **Senior Secondary(12th)** 2021-22
Oxford Public School, Ranchi PERCENTAGE: 81.4%
- **Secondary(10th)** 2021-22
Oxford Public School, Ranchi PERCENTAGE: 84.6%

PERSONAL PROJECTS

- **Shopper** GitHub
Developed a full-stack E-commerce web application using MongoDB, Express.js, React.js, and Node.js (MERN Stack).
 - Implemented interactive UI components for product listings, shopping cart, and checkout.
 - Optimized website performance for better user experience.
 - Technology Used: React.js, Node.js, Express.js, MongoDB, HTML, CSS, JavaScript.
- **ConvoSphere** GitHub
Developed a real-time chat application enabling users to send and receive messages instantly.
 - Built a real-time chat application using the MERN stack with Socket.IO for bi-directional communication.
 - Implemented user authentication and authorization using JSON Web Tokens (JWT) and secure password hashing with bcrypt.
 - Technology Used : MongoDB, Express.js, React.js, Node.js, Socket.IO, JWT, Tailwind CSS.
- **SkyCast** GitHub
Developed a dynamic weather forecasting web app using React.js.
 - Integrated API to fetch live weather data, including temperature, humidity, and wind speed.
 - Utilized React hooks (useState, useEffect) to manage API calls and update UI dynamically
 - Technology Used: React.js, API, CSS, JavaScript.

VOLUNTEER EXPERIENCE

- **TECHHUB**
Community Member
 - Mentored various students in ourtech community of the college.
 - Delivered comprehensive lessons on the fundamentals of Data Structures and Algorithms as part of an annual mentorship program.
 - Mentored various students in our tech community of the college.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Javascript, HTML+CSS

Libraries : C++ STL, ReactJs

Web Dev Tools: Nodejs, VScode, Git, Github

Frameworks: ReactJs, ExpressJS

Cloud/Databases: MongoDB, Firebase Firestore (NoSQL database), Relational Database(mySql)

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

Areas of Interest: Web Design and Development, Programming.

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

CERTIFICATES AND ACHIEVEMENTS

- **Certificate of Completion :** Udemy
 - Completed an in-depth course on C++ programming, covering fundamental to advanced concepts.
 - Worked on problem-solving and algorithmic implementation using C++.
- **Certificate of Accomplishment :** HackerRank
 - Achieved a certification in SQL, validating skills in querying databases, data retrieval.
- Solved **700+** DSA problems on platforms like **LeetCode**, **GeeksforGeeks**, **CodeChef**, and **Codeforces**.
 - Regularly practice and participate in coding contests to improve algorithmic thinking and problem-solving speed