RACHIT RAWAT

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Professional Summary

Final-year B.Tech Computer Science student with strong foundations in software development ,full-stack web/mobile applications ,and data-driven problem solving. Skilled in building scalable solutions using MERN, Flutter, Firebase, and SQL/NoSQL databases. Experienced in Data Structures and Algorithms with focus on writing clean, efficient, and optimized code.Hands-on with cloud platforms, APIs, and collaborative tools like Git, Postman, and Figma.Passionate about applying technology across domains to deliver impactful user-focused solutions.

Education

Graphic Era Hill University, Dehradun	**2022 - present**
B. Tech in Computer Science & Engineering	*8.43/10 CGPA*
Army Public School, Meerut	**2020 - 2021**
CBSE- 12th- Science	*89.8/100 percentage*
Army Public School, Meerut	**2018 - 2019**
CBSE- 10th	*94.1/100 percentage*

Internships

Salesforce Virtual Intern — *Smart Bridge (Remote: May 2025 – Jul 2025)*

*Designed and implemented custom Salesforce objects, validation rules, and automation workflows using Salesforce Lightning and Process Builder to streamline CRM processes and reduce manual effort.

*Developed Apex triggers and Visualforce pages to extend platform functionality and tailor user experience based on business requirements.

*Collaborated with cross-functional teams to analyze requirements, troubleshoot issues, and optimize CRM workflows, gaining practical exposure to cloud-based enterprise solutions and Agile development methodologies.

Projects

1.COLLEGE COMPARE-Student Search & Comparison Platform| (HTML, CSS, JS, React, Node.js, MongoDB):

*Developed a dynamic MERN stack platform for students to search, compare, and bookmark colleges, building RESTful APIs for efficient data handling. Built interactive review sections and designed a fully responsive UI for seamless cross-device compatibility.

*Created backend APIs using Node.js and MongoDB for scalable and efficient data handling.

*Optimized backend performance by applying database indexing and query optimization in MongoDB, ensuring fast data retrieval under increasing user load.

2. RAKT – Smart Blood Donation & Emergency Finder App | (Flutter, Firebase, Google Maps API):

*Built a cross-platform mobile app enabling patients to instantly connect with nearby donors in emergencies.

*Integrated Firebase Authentication for secure role-based login (Donor/Patient/NGO).

*Designed real-time donor–patient data sync using Firebase Firestore with availability tracking.

*Implemented Google Maps API for live donor visualization with geolocation-based search.

*Developed a push notification system with Firebase Cloud Messaging (FCM) for instant donor alerts.

3.MOVIE RECOMMENDATION SYSTEM | (MACHINE LEARNING, Python):

*Built a machine learning model in Python that suggests movies based on user-selected preferences.

Integrated a dataset of **5000+ movies to provide diverse and accurate recommendations.*

*Leveraged collaborative filtering to predict user preferences based on viewing history, achieving a recommendation

Accuracy rate of **85%, enhancing user engagement with relevant movie suggestions.*

Skills

Programming Languages: *C, C++, Java, Kotlin, Python;* **Web Development:** *HTML, CSS, JavaScript, React, Node.js, Tailwind;* **Databases:** *SQL, MySQL, MongoDB;* **Tools:** *Git, GitHub (hosted academic projects like Mini OS & Mini Compiler), Postman, Figma, Illustrator.*