

# Rachit Doshi

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## EDUCATION

- **DJ Sanghvi College of Engineering** 2022-Present  
*BTech in Artificial Intelligence & Data Science* CGPA: 9.2
- **Prakash College** 2022  
*HSC Board* Percentage: 71
- **C.N.M. School** 2020  
*ICSE Board* Percentage: 97

## EXPERIENCE

- **WEBXELA** June-September, 2024  
*Cloud Computing Intern* Remote
  - Built foundational understanding of cloud service models, cloud deployment types, and IAM standards.
  - **Analyzed** cloud pricing structures and services offered to identify cost-effective solutions across **Azure, AWS, GCP**
  - Contributed to internal documentation summarizing key cloud components, deployment strategies, and platform service comparisons.

## PERSONAL PROJECTS

- **FINDR (Food Industry Network for Digital Recommendations)**  
*A digital platform offering recommendation-driven solutions for food industry machinery.*
  - \* Collaborated in a team to build a web application that accepts **user inputs** and provides valuable recommendations using a **content-based filtering** algorithm.
  - \* Generated accurate recommendations using **TF-IDF vectorization** along with **cosine similarity** on collected data.
  - \* Implemented integration using **Flask REST APIs** for smooth backend-frontend communication.
  - \* Utilized the **useContext** hook in React to manage state and store machines for user-side comparison.
  - \* Incorporates a customized **Groq chatbot** to enhance user interaction and assistance.
- **ChatWebApp**  
*Seamless multimedia communication using MERN, Socket.IO, and Cloudinary*
  - \* Adopted daisyUI themes, **Lucide-React** components, and reusable JSX components while managing state with **Zustand** to build efficient well-designed frontend experience.
  - \* Designed efficient backend routing and developed core controllers to ensure scalable and **maintainable architecture**.
  - \* Optimized authentication using **JWT** to ensure secure user access and enhance data protection.
  - \* Integrated **Cloudinary** for profile picture uploads and implemented **online user status tracking** using Socket.IO.
- **Code Editor**  
*Code playground for HTML, CSS and JS*
  - \* Engineered a responsive, real-time code editor using **CodeMirror** and **lucide-react** icons, delivering a sleek and performant user interface.
  - \* Implemented persistent local storage functionality with a custom React hook, ensuring seamless user experience across sessions.
  - \* Employed **Vite** for fast development and optimized build processes, enhancing overall application performance.
  - \* Utilized **React's useState** and **useEffect** hooks to manage state and side effects, maintaining a clean and maintainable codebase.

## TECHNICAL SKILLS

**Languages:** Java, Python, Javascript, C  
**Frameworks:** React.js, Vite.js, Node.js, Express.js, Flask  
**Databases:** MySQL, MongoDB, Neo4j  
**Libraries:** Axios, React Router, Tailwind CSS, Mongoose, bcrypt.js, jsonwebtoken, numpy, pandas  
**Soft Skills:** Communication, Team Work, Problem Solving

## COURSES AND CERTIFICATES

- **DeepLearningAI:** Machine Learning Specialization
- **Palo Alto Networks (AICTE) :** CyberSecurity Virtual Internship
- **Coursera:** Google Cybersecurity Professional Certificate V2
- **Google Cloud (AICTE) :** Generative AI Virtual Internship
- **Google Cloud:** Google Cloud Computing Foundations