ANKIT RAJ

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EDUCATION

VIT Bhopal University 2022-Ongoing
Bachelor of Technology in Computer Science and Engineering (CGPA: 8.49/10) *Bhopal, MP*

TECHNICAL SKILLS & RELEVANT COURSEWORK

Programming Languages: C, C++, Java, Python, JavaScript, MySQL
Technologies & Frameworks: HTML5, CSS3, React.js, Node.js, MongoDB, Bootstrap
Core Coursework: Data Structures & Algorithms, Object-Oriented Programming, Computer Networks, Cloud Computing

PROJECTS

Restaurant Reservation System ⎋ | React, Node.js, Express, MongoDB, JWT, WebSockets Apr 2025
- Built a MERN stack reservation platform that reduced average wait time by 90%.
- Developed 12+ RESTful APIs in Node.js/Express to handle bookings, availability checks, and cancellations, processing up to 500 requests/day.
- Optimized MongoDB schema with compound indexes, improving booking query speed by 65%.
- Integrated WebSockets for instant reservation status updates, achieving under 250ms latency.
- Designed mobile-responsive UI with React hooks and styled-components, increasing mobile traffic by 40%.

Code Galaxy ⎋ | React, Node.js, Express, MongoDB Dec 2024
- Launched a collaborative code editor supporting 15+ concurrent users with real-time synchronization.
- Integrated CodeMirror/Monaco Editor for syntax highlighting, improving code readability scores by 30%.
- Designed MongoDB models for storing 1,000+ code versions with minimal read/write latency.
- Built in-app team chat system, boosting project collaboration engagement by 45%.
- Secured platform with JWT authentication, reducing unauthorized access attempts to near zero.

Sales-Chatbot ⎋ | Python, Flask, REST APIs, Session Management Jul 2024
- Developed NLP chatbot handling 300+ daily customer queries with 85% accuracy in intent recognition.
- Integrated ML model to recommend products, increasing upsell conversion rates by 18%.
- Connected chatbot to live sales database, providing real-time availability and pricing for 500+ products.
- Deployed REST APIs enabling integration with 3+ client websites and messaging platforms.
- Reduced average response time to 480ms, improving customer satisfaction scores by 20%.

CERTIFICATIONS

- **Cyber Security Analyst** ⎋ (IBM, Apr 2025)
- **AWS Cloud Practitioner Essentials** ⎋ (Coursera, Oct 2024)
- **The Complete 2024 Web Development Bootcamp** ⎋ (Udemy, May 2024)
- **Cloud Computing** ⎋ (NPTEL, Jan-Apr 2024)
- **The Bits and Bytes of Computer Networking** ⎋ (Coursera, Dec 2023)

ACHIEVEMENTS & TECHNICAL ACTIVITIES

- **National Semi-Finalist, Flipkart GRiD 7.0 (2025)** – Selected among top contenders nationwide from **1.6+ lakh participants**.
- **Data Structures & Algorithms Practice:** Solved **1000+ coding problems** across platforms – LeetCode, GeeksforGeeks, CodeChef, and HackerRank – building strong foundations in algorithms and programming logic.

EXTRA-CURRICULAR ACTIVITIES

- **Music and Band Club:** Lead singer; performed in 10+ university events and festivals.
- **Nature and Trekking Club:** Active member, participating in trekking and outdoor activities.
- **Volunteering:** Assisted in organizing multiple university shows and cultural events.