SUSHIL RAJ

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Education

Indian Institute of Technology Bhilai   **Chhattisgarh, India**
B.Tech in Computer Science and Engineering   *Nov 2022 – May 2026*
Relevant Coursework: Data Structures, Algorithms, Computer Networks, Operating Systems, Machine Learning, Distributed Systems

Projects

AutoMatex   (ReactJS, NodeJS, MongoDB, Bootstrap)

Overview: Developed features like real-time attendance, dynamic timetables, and Lost & Found notifications.
Technologies: Integrated Google Maps API for navigation, dynamic forms for polls.
Impact: Enhanced API load balancing, improving response time by 20%. Increased user engagement by 30%.

DSA Recommendation System   (Python, BeautifulSoup, Selenium)

Overview: Scraped coding platforms, processed data, and recommended problems using collaborative filtering.
Innovations: Automated dataset updates, reducing manual effort by 50%.
Scalability: Handled over 100,000 problem records, optimizing search performance.

PeerFusion   (Node.js, ReactJS, Socket.io)

Overview: Created a networking platform for developers with real-time chat and matchmaking features.
Optimization: Implemented caching, improving chat history retrieval by 40%.
User Experience: Enhanced UI/UX for responsiveness and accessibility.

Technical Skills

Languages: C, C++, Python, JavaScript, TypeScript, SQL

Frameworks: ReactJS, Django, NextJS, Express.js

Databases: MongoDB, MySQL, PostgreSQL

Tools & Platforms: Git, Docker, Kubernetes, Neo4j, Azure, AWS

Soft Skills: Problem-Solving, Collaboration, Agile Development, Critical Thinking

Leadership and Volunteering

Coordinator, Wellness Committee: Led wellness initiatives at IIT Bhilai, benefiting over 300 students. Organized workshops and evaluated program impacts.

Mentor, Student Mentorship Program: Guided 50+ new students on academic and administrative processes.

Achievements

Top 1% in IIT-JEE: Ranked among top 1.1 million candidates in India.

Coding Challenges: Solved 900+ problems across LeetCode, CodeForces, and GeeksForGeeks.

Hackathons: Secured top 10 positions in two national-level hackathons.

Interests

Technical Interests: Distributed Systems, Network Simulations, AI Ethics, Full-Stack Development

Personal Interests: Playing Chess, Blogging on Tech Trends, Exploring Open-Source Contributions