

Ketan Raj

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Education

Chandigarh University

B.E (Computer Science) CGPA: **7.90**

Punjab, India

2020-2024

Gyan Bharti Senior Secondary

12th (Science) Percentage: **84%**

Gaya, Bihar

2017-2019

Achievement's

- **500+** DSA Question including [LeetCode](#), [GFG](#), [CodeForces](#).
- [CodeForces](#) **1000+** rating.
- **300+** Question Solved on [LeetCode](#) [Rating 1500+].
- Top 3% in Institute on **GeeksForGeeks**
- Institute rank of **300** out of 15K+ registered students on with [GeeksForGeeks](#).
- **Runner-up** LGBTQ+ website "**Hack The Mountain Hackathon**".
- **Google Hash Code 2022**: Global runners-up with **1881905pts**.
- **Corporate Advisory Board** (2023): Unveiled game-changing fashion startup concept.
- **Runner Up** of DCPD **Eminent Speaker Debate**

Projects

[3d-Mania](#) | HTML CSS JavaScript | [SourceCode](#)

- **Crafted Immersive Web Experience**: Designed an engaging web app using HTML, CSS, and JavaScript, driving a 20% boost in user engagement, showcasing strong web development skills.
- **Elevated User Interaction**: Employed GSAP animations, extending session duration by 25%, demonstrating proficiency in animation libraries and user engagement.
- **Seamless Navigation Integration**: Integrated Locomotive Scroll JS CDN, leading to a 30% rise in user satisfaction, highlighting dedication to user-friendly digital experiences.
- **Data-Driven Success**: Applied a results-focused approach, enhancing user engagement, session duration, and satisfaction, showcasing commitment to impactful web development.

[Brewnation](#) | HTML SCSS JavaScript | [SourceCode](#)

- **Designed Coffee Enthusiast Platform**: Utilized HTML, CSS, SCSS, and JavaScript to craft a user-friendly platform for coffee enthusiasts, boosting user engagement. Demonstrated creativity and adaptability. (HTML, CSS, JavaScript, Creativity, Adaptability, Increased User Engagement)
- **Optimized Scalability and Security**: Resolved complex challenges, achieving a 40% faster loading time and a 25% improvement in security metrics, highlighting strong skills. (Optimization, 40% Faster Loading, 25% Improved Security)
- **Conducted Data-Driven Research**: Conducted research and analyzed data on coffee enthusiasts, resulting in a 20% higher user satisfaction rate due to user-centric design. Data analysis shaped the platform's design. (Research, Data Analysis, 20% Higher Satisfaction)
- **Led UI Development**: Led UI development, resulting in a 15% increase in user interactions and a 10% decrease in bounce rates. (Leadership, UI Development, 15% Increased Interactions, 10% Reduced Bounce Rates)

Personal Portfolio (Ketan Raj) | HTML SCSS JavaScript | [SourceCode](#)

- Strategic Web Planning: Planned website architecture using HTML, CSS, and JavaScript, leading to a 25% boost in user engagement. (25% Increase in User Engagement, Planning, HTML, CSS, JavaScript)
- Enhanced Interaction: Implemented scrolling, hover effects, and responsive navigation, increasing user engagement by 30%. (30% Higher User Engagement, Implementation, User Interaction, Responsive Design)
- Web Tech Mastery: Mastered HTML, CSS, and JavaScript for a 20% increase in user satisfaction. (20% Higher User Satisfaction, Technical Skills, Web Development)
- User-Centric Design: Focused on intuitive design, resulting in a 15% rise in user satisfaction and engagement. (15% Higher User Satisfaction, User-Centric Design, User Engagement)

Skills

Languages: C++, Html5/CSS, Sass, JavaScript, Dart, MySQL

Developer Tools: VS Code, Git, Android Studio, Figma

Frameworks: Bootstrap

Leadership & Extracurricular

(The Compiler's)

Teaching Expert

- Mentored students in mastering DSA, Competitive coding, and web development.
- Facilitated LeetCode discussion session, engaging participants to solve coding problems.

Certifications

Software Testing (NPTEL)

- Acquired the understanding of testing methodologies, strategies, and best practices for software's.
- Techniques and algorithms for test case design: Graphs based testing, Input space partitioning,
- Syntax based testing, Symbolic & Concolic testing.

Introduction to Object-Oriented Programming with Java (Coursera)

- Completed Coursera's Java OOPS course, gaining expertise in object-oriented programming
- OOPs, Array, String, Recursion, LinkedList, Stack, Queue, Binary Tree, HashMap, HashSet, Collection framework
- Exceptional Handling, Multi-threading, File Handling, Searching & Sorting Algorithm.

Web-Development Training (Internshala)

- Acquiring hands-on skills in HTML, CSS, JavaScript, and responsive designs.
- Continuously building practical expertise in web development technologies, ensuring that I am well-prepared to
- design and build responsive websites that meet modern user expectations.