

SHASHWAT TANDON

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SUMMARY

I'm Shashwat, a third-year B.Tech student at DIT University, Dehradun, specializing in Computer Science Engineering. I'm a motivated and quick learner, dedicated to expanding my knowledge. I'm currently focused on mastering Java and tackling complex challenges. Continuous learning and self-improvement are central to my approach.

Beyond academics, I have a passion for travel and exploring new places, which broadens my perspective. I also enjoy music and actively participate in outdoor activities like cricket and other sports, keeping me energized and driven.

EDUCATION

DIT University, Dehradun

Aug 2022 - Present

Bachelor of Technology in Computer Science and Engineering

CGPA:8.29(Ongoing)

Oxford Public School, Ranchi

March 2019 - July 2021

Senior Secondary Graduate

Percentage:85.4%

SKILLS

- **Programming Language:** Java Programming, Basic Python Programming, C
- **Web Development:** HTML5, CSS3, JavaScript(ES6), Tailwind CSS, SQL, Bootstrap, React, Node, Express.
- **Developer Tools:** VS Code, GitHub, Google Firebase, Eclipse, MySQL, MongoDB
- **Relevant Coursework:** Data Structure and Algorithm, Object-Oriented Programming, Linux Command Line, Java
- **Others:** AWS, Linux, Cloud basics, MS Office, Canva
- **Certifications:** Java Programming, Command Line in Linux, AWS Educate: Introduction to Cloud 101, The Algorithm Arena by HackerEarth
- **Languages:** Hindi, English

PROJECTS

Real-Time Chat Application: [Link](#)

- Developed a real-time chatting application using MongoDB, Express.js, React.js, and Node.js (MERN stack).
- Implemented WebSockets (Socket.IO) to enable instant messaging with 99% uptime.
- Designed a scalable backend handling, ensuring low latency (<200ms response time).
- Secured user authentication with JWT-based authentication.
- Focused on enhancing front-end development skills through responsive design and interactive gameplay.
- Built a responsive React.js frontend (optimized with Redux for state management, reducing re-renders by 40%).

Rock Paper Scissors: [Link](#)

- Developed a web-based Rock Paper Scissors game, recreating a familiar childhood classic.
- Deployed the project on GitHub.
- Focused on enhancing front-end development skills through responsive design and interactive gameplay.
- Integrated a MongoDB database (optimized queries for 30% faster retrieval) for storing chat history.

Tic Tac Toe (Java)

- Created a Tic-Tac-Toe game in Java, sharpening logic and fundamental programming skills.
- Designed an object-oriented architecture, improving code reusability and efficiency.
- Gained hands-on experience in implementing game mechanics.

EXTRACURRICULAR

- Solved **300+** questions on DSA in GeeksForGeeks, LeetCode and HackerRank.
- Rated **39th**(Improving it daily) in Dit University on GeeksForGeeks.
- Rated **4 Star** on Hacker Rank in Java.