

# SHASHWAT TANDON

Dehradun | +91 9693602687 | shashwatandon@gmail.com | [Portfolio](#) | [LinkedIn](#) | [GitHub](#) | [GFG](#)

## Education

### DIT University

Bachelor of Technology in Computer Science and Engineering  
CGPA: 8.23/10.0 (Expected 2026)

Dehradun, India

Aug 2022 - Present

### Oxford Public School, Ranchi

Class XII (Senior Secondary)  
Percentage: 85.4%

Ranchi, India

Mar 2019 - Jul 2021

## Work Experience

**Web Development Intern** | Next.js, PostgreSQL, GitHub Actions, Git, JWT

**Soundspire** – Remote

**May 2025 – Aug 2025**

- Designed and implemented a secure, **token-based authentication** system using **Next.js** and **PostgreSQL**, leveraging **JWT** and secure cookies to manage user sessions and protect sensitive account data.
- Collaborated** in an agile startup environment, leveraging **Git** and **GitHub** for version control, conducting peer code reviews, and managing the feature **development lifecycle**.
- Automated** code integration and deployment by establishing a **CI/CD pipeline** with **GitHub Actions**, which improved code quality and accelerated development cycles.
- Strengthened **full-stack development** skills while contributing to real product features in an agile, collaborative team.

## Skills

- Programming Languages:** Java Programming, C, JavaScript, TypeScript
- Web Development:** HTML5, CSS3, Tailwind CSS, SQL, React.js, Node.js, Next.js, RESTful APIs, MongoDB, MySQL, PostgreSQL
- DevOps & Cloud:** Docker, AWS, IAM, EC2, S3, CloudFront, CI/CD Pipeline, Linux, Oracle Cloud Computing, Networking, Cloud Security, Database Cloud Service, Google Cloud Platform, Firebase
- AI & Cloud Tools:** LLMs, Prompt Engineering, Fine-tuning, RAG(Retrieval-Augmented Generation), Generative AI Security
- Developer Tools:** Visual Studio Code, Git & GitHub, ChatGPT, Gemini, GitHub Copilot, Figma, Maven, Eclipse, Postman
- Courseworks:** Object-Oriented Programming, Data Structures & Algorithms, Operating System, DBMS, Generative AI
- Soft Skills:** Problem-solving, Team Collaboration, Agile Development, Code Review

## Projects

**Real-Time Chat Application:** React.js, Vite, WebSocket, JWT, Docker, MongoDB

[Live Link](#) | [GitHub](#)

- Engineered a MERN-based real-time chat app with WebSockets (Socket.IO) and JWT authentication.
- Designed a 3-tier architecture and authored Dockerfiles and a Docker Compose setup to containerise the frontend, backend, and database.
- Achieved sub-200ms response times and 99% uptime with a scalable backend.
- Developed a responsive React frontend with Redux for seamless UX

**Note Vault (Dockerized):** TypeScript, Zustand, Tailwind, Docker, CI/CD

[Live Link](#) | [GitHub](#)

- Developed a TypeScript + React 19 note app with Zustand, Tailwind, and Lucide Icons.
- Reduced Docker image size by 57% using multi-stage builds (346MB to 147MB) and improved build time using Vite.
- CI/CD-ready, deployed on Render with 99.9% uptime.

**Personal Portfolio:** React.js, Tailwind CSS, Docker, Render, GitHub Actions

[Live Link](#) | [GitHub](#)

- Architected a dynamic personal portfolio website using React.js and Tailwind CSS to showcase my projects and technical skills.
- Engineered a complete Continuous Integration/Continuous Deployment (CI/CD) pipeline that automatically triggers on code updates.
- Configured the pipeline to build a new Docker image with each change, prune previous versions, and seamlessly deploy the updated container to Render.

## Certifications

- OCI Generative AI Professional
- OCI AI Foundations Associate
- OCI Foundations Associate
- AWS Essentials
- AWS Educate:Introduction to Cloud
- Oracle Data Platform
- The Algorithm Arena by HackerEarth
- Command Line in Linux
- Cisco Networking

## Achievements

- Solved **300+** questions on DSA in GeeksForGeeks, LeetCode and HackerRank.
- Consistently ranked among the **top 50 students** at DIT University on GeeksForGeeks.
- Rated **4 Star** on Hacker Rank in Java.