

# HARSHIT TIWARI

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## Education

**Institute Of Engineering And Technology Agra,UP**

**Nov 2020 – July 2024**

*B.E in Computer Science and Engineering*

**CGPA : 7.59 / 10.00**

**DLW Inter College Varanasi**

**2019**

*Senior Secondary*

**81/100**

## Skills

**Languages:** C, C++, HTML/CSS, JavaScript, SQL

**Developer Tools:** VS Code, GitHub, Linux, Gitlab

**Soft Skills:** Teamwork, Communication, Adaptability, Leadership

**Technologies/Frameworks:** ReactJS, MongoDB, NodeJS, Next.js, Nest.js, ExpressJS, MySQL, AWS, REST API

## Experience

**Banaras Locomotive works**

**June 2023 – July 2023**

*Software Intern*

- Developed and optimized RESTful APIs, increasing data accessibility by 40% and enhancing integration with external services, resulting in a 30% reduction in data retrieval time.
- Streamlined the development lifecycle by implementing DevOps practices, reducing deployment time by 50% and cutting down manual intervention in CI/CD processes.
- Collaborated closely with networking and storage teams to optimize infrastructure and ensure smooth deployments.

## Projects

**ChatBot-Song Recommender** | *CakeChat, React.js, IBM Tone Analyzer API, Last.fm API*

**Sep 2023**

- [!\[\]\(4fa9d78dd0176fb0bcd98cce689c3346\_img.jpg\) Project Github Link](#)
- Developed a conversational chatbot that recommends songs based on user preferences using natural language processing (NLP) techniques.
- Implemented algorithms to analyze user input and provide personalized music suggestions.
- Integrated with external APIs (such as Spotify API) for dynamic song retrieval. Built using Python, machine learning models (collaborative filtering, content-based), NLTK, scikit-learn, and Flask for deployment..

**Fashion-Store Web Application** | *MongoDB, Express.js, React, Node.js, Redux, React Router*

**July 2023**

- [!\[\]\(105208e6486d19e1766ddf04ff731abb\_img.jpg\) Project Github Link](#)
- Developed a dynamic web application for a fashion store that allows users to browse and purchase products. The platform includes user authentication, product search functionality, and an intuitive shopping cart system.
- Integrated a secure payment gateway and implemented responsive design using Bootstrap for a seamless experience across devices. Managed the backend using Flask and SQLite for data storage.
- Integrated features like user authentication, product filtering, and a responsive UI for a seamless shopping experience.

**College-Administration-Management-System** | *MySQL, HTML, CSS, JavaScript, and Bootstrap*

**June 2023**

- [!\[\]\(de690d836d9598277157612c72e08388\_img.jpg\) Project Github Link](#)
- Developed a web-based platform to automate and manage college administrative tasks such as student records, faculty information, courses, and exam schedules.
- Integrated role-based access control for administrators, faculty, and students, ensuring data security and user-specific functionalities.

## Relevant Coursework

- |                  |                       |                     |                        |
|------------------|-----------------------|---------------------|------------------------|
| • Data Structure | • Algorithms Analysis | • Operating System  | • Software Engineering |
| • OOPs           | • Database Management | • Computer Networks |                        |

## Certifications and Achievements

**CCNA: Introduction to Networks — CISCO**

**Data Structures in C++ —Codehelp**

**IBM Cloud Certification**