

# Bharti

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## Education

VIT Bhopal University, Bhopal, Madhya Pradesh	Apr 2022 - Present
<b>B.Tech in Artificial intelligence and Machine Learning GPA: 9.16/10</b>	
M.S Public School, Mandi Dhanaura, Uttar Pradesh	Jul 2021
<b>12th Standard (CBSE) Percentage: 94%</b>	
M.S Public School, Mandi Dhanaura, Uttar Pradesh	May 2019
<b>10th Standard (CBSE) Percentage: 97%</b>	

## Skills

- **Languages:** C++, SQL, Python
- **Frameworks & Libraries:** ReactJS, CSS
- **Tools & Platform:** MySQL, Git, Qlik Cloud, PowerBI

## Projects

### VastraVerse | Python, Flask, HTML, CSS, JavaScript, Stable Diffusion, ControlNet, Gemini API

- Collaborated with a team of 4 members to build an AI-powered cultural platform combining computer vision, NLP, and generative AI to promote heritage awareness.
- **Designed and developed** the interactive frontend using HTML, CSS, and JavaScript, creating an intuitive and visually engaging user experience.
- **Processed and curated** cultural data manually to ensure accuracy and reliability for the cultural chatbot and recommendation engine.
- **Integrated** frontend with backend APIs for seamless virtual try-on, cultural content exploration, and chatbot interaction.

### Book Recommendation System | Python, Pandas, Scikit-learn

- **Processed and cleaned** a dataset of **27,000+ records**, ensuring high data quality and consistency for accurate predictions.
- **Engineered** a recommendation pipeline using **cosine similarity** to detect user preference patterns and similarities.
- **Generated** top-5 personalized book suggestions for each user, achieving **85% accuracy** in predictive alignment.
- Optimized the system for scalability, enabling performance on large datasets while maintaining user-centric recommendations.
- **Result:** Delivered a robust, data-driven solution that enhances user satisfaction through accurate and relevant book recommendations.

### SmartNotes | React.js | [GitHub](#)

- **Architected** a **React-based web application, SmartNotes**, to empower users with a simple and efficient online platform for creating, updating, ssharing, and managing text-based notes.
- Incorporated **Redux** for robust state management, ensuring a seamless and responsive user experience for dynamic note storage and retrieval.
- Integrated **React Router** to provide smooth and intuitive navigation throughout the application, enhancing usability.

## Internship and Program

### Business Analytic Intern

QLIK Business Analytics Virtual Internship Program | April 2024 – June 2024

- Led data-driven initiatives using Qlik's cloud platform to optimize accident prediction model accuracy and computational efficiency.
- Developed 15+ visualizations (bar, line, scatter, heatmaps) to analyze motor vehicle and pedestrian accident trends across India.
- Uncovered critical insights into accident patterns and contributing factors via interactive dashboards, communicating findings to stakeholders to enhance road safety.

## Achievements

- Semi-finalist, **BharatGenAI Hackathon**
- Problem Solving (Intermediate), **HackerRank**
- Assisted in **Google Cloud Skill BOOST Program**