

Bharti

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Education

VIT Bhopal University, Bhopal, Madhya Pradesh	Apr 2022 - Present
B.Tech in Artificial intelligence and Machine Learning GPA: 9.14/10	
M.S Public School, Mandi Dhanaura, Uttar Pradesh	Jul 2021
12th Standard (CBSE) Percentage: 94%	
M.S Public School, Mandi Dhanaura, Uttar Pradesh	May 2019
10th Standard (CBSE) Percentage: 97%	

Skills

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

Projects

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

- Engineered an AI-driven cultural platform integrating computer vision and NLP to promote heritage awareness among modern users.
- Implemented Virtual Try-On using Stable Diffusion and ControlNet for personalized traditional attire visualization based on uploaded images.
- Built a Cultural Chatbot using Gemini API, achieving 96% response accuracy through NLP-based intent parsing and real-time query handling.
- Developed a modular Flask backend with RESTful APIs and an interactive frontend using HTML/CSS/JavaScript for seamless UX
- **Result:** A culturally immersive, AI-powered platform that revitalizes heritage awareness among modern users through virtual interaction and reliable guidance.

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

- **Architected** a **React-based web application**, **SmartNotes**, to empower users with a simple and efficient online platform for creating, updating, sharing, 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**