Bharti

Ghaziabad, Uttar Pradesh, India bharti2022@vitbhopal.ac.in +91 8077664762, 8802571205 linkedin.com/in/bharti-b1993b251

EDUCATION

BTech in Computer Science

Minor in Artificial intelligence and Machine Learning • VIT Bhopal University • Bhopal, Madhya Pradesh • May 2026 • 9.18/10

PROJECTS

SmartNotes: A Simple & Efficient Online Note-Pasting Platform

November 2024 – December 2024

- SmartNotes is a React-based web application that enables users to create, update, modify, share, and delete text-based notes efficiently. It leverages Redux for state management and React Router for seamless navigation. The project allows users to store and manage their pastes dyna mically while ensuring an intuitive user experience.
- Technologies Used: React, Redux, React Router, Javascript, CSS.

Book Recommendation System

- Developed a book recommender system using Python, Pandas, and Scikit-learn, managing and processing a dataset of over 27,000 entries containing ratings, image URLs, author names, and book titles. Cleaned, preprocessed, and analyzed the data to ensure high-quality input for the recommendation model.
- Applied collaborative filtering techniques to analyze user behavior and preferences, achieving an accuracy rate of 85%. Utilized cosine_similarity from sklearn. metrics.pairwise to determine user and item similarities, enhancing the accuracy of recommendations.
- Trained, fine-tuned, and validated the model using Scikit-learn to ensure reliable and accurate predictions. Designed and implemented an algorithm to predict the top 5 book recommendations based on individual user preferences, enhancing personalized user experiences. Continu ously optimized the model for better performance and scalability, ensuring it could handle large datasets and provide quick recommendations.

PRACTICE PROJECTS

Clone of Sundown Website
Tic Tac Toe
Bent Lindberg Digital Designer

EXPERIENCE

Business Analytic Intern

QLIK Business Analytics Virtual Internship Program • April 2024-June 2024

- Spearheaded a data-driven continuous improvement initiative, leveraging Qlik's cloud platform to optimize prediction accuracy and computational efficiency for accident prediction models.
- Developed and implemented a comprehensive suite of 15+ visualizations, including bar charts, line graphs, scatter plots, and heatmaps, to analyze accident trends across India involving motor vehicles and pedestrians.
- Uncovered critical insights into accident patterns, hotspots, and contributing factors through interactive dashboards. Effectively communicated findings to stakeholders, enabling data-informed decisions to enhance road safety measures.

Intern at Indian Space Lab

Winter Internship Techincal Training Program • December 2024-January 2025

- Virtually trained in drone building, functionality, and real-world applications. Gained hands-on experience in designing and developing drone-based systems.
- Worked on **EcoDrone: Intelligent Waste Detection and Disposal System**, a prototype drone that detects and picks up garbage using a claw mechanism.
- Learned about drone aerodynamics, sensor integration, and autonomous operations. Developed problem-solving skills by working on an innovative waste management solution.

Aidded in Google Cloud Skill Boost Program

- Intensively engaged in the Google Cloud Skill Boost program, successfully mastering a comprehensive curriculum of hands-on labs. Rapidly developed expertise in core cloud services, including compute, storage, and networking.
- Demonstrated a strong problem-solving ability through the implementation of practical cloud-based solutions. Actively explored advanced cloud technologies, such as machine learning and data analytics, laying a solid foundation for future cloud-based projects.

CERTIFICATIONS

Privacy and Security in Online Social Media

May 2024

Applied Machine Learning Using Python

December 2024

Career Essentials in Generative AI

August 2024

SKILLS

Python, Java, MS Excel, JavaScript, HTML, CSS, GeeksforGeeks, Leetcode