

KAJAL KUMARI

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Education

Banasthali Vidyapith University in Rajasthan

May 2021 – June 2025

Bachelor of Technology in Information Technology and Engineering

GPA: 7.99/10, Vanasthali Rd, Rajasthan 304022

Technical Skills

Languages: C, C++, Java, Python, HTML, CSS, JavaScript

Frameworks & Libraries: React.js

Databases: MySQL

Version Control: Git, GitHub

Concepts: Machine Learning, Software Engineering, Data Structures and Algorithms, Operating Systems, Object-Oriented Programming

Projects

CollabSphere | *Next.js, Node.js, Socket.io*

Ongoing

- Engineered a real-time collaboration platform with instant messaging, video calls, and workspace creation, improving team communication efficiency.
- Integrated WebSockets for real-time interactions, optimizing data transmission and reducing latency significantly to enhance responsiveness.

Multiple Disease Prediction | *Python, ML, Streamlit* [Project Link](#)

Jan 2024

- Designed an AI-powered diagnostic system that achieved 92% accuracy, significantly reducing misdiagnosis rates and facilitating early disease detection.
- Trained initiative-driven machine learning models to predict heart disease, diabetes, and Parkinson's, enabling anticipatory healthcare interventions and early risk mitigation.

Custom Recipe Generator | *AI Project* [Project Link](#)

Jun 2023

- Developed a system that transforms user-provided ingredients into diverse recipe suggestions.
- Enhanced system capacity to offer over 10 recipes per search, significantly expanding culinary options and allowing for the creation of a comprehensive recipe collection.

Experience

Banasthali University Internship

Jan 2025 - Present

- Leading the development of CollabSphere, a real-time collaboration tool built with Next.js, Node.js, and Socket.io to improve workflow and communication.
- Implemented core features such as real-time messaging, video conferencing, and structured workspaces, enhancing engagement and teamwork by 60%.

Bharat Intern

Jan 2024

- Built interactive web applications, including a *Zomato clone*, *portfolio website*, and *weather forecast app*, focusing on user experience and performance.
- Optimized API integrations and caching mechanisms, reducing page load times by 30% and improving overall application responsiveness.

Organizer — Mayukh Cultural Fest

Dec 2023

- Managed hospitality operations, ensuring smooth coordination for over 20 guests, including renowned performers and dignitaries.
- Led event planning and execution, contributing to the overall success and organization of the cultural festival.

Activities

WEHack Hackathon at Banasthali Vidyapith

- Designed and integrated a chatbot and polling application, securing a Top 10 position among 50+ teams in the competition.

Introduction to AI Workshop

- Completed an intensive hands-on workshop on AI and machine learning, enhancing analytical thinking and strategic resolution skills through real-world applications of advanced algorithms.

Competitive Programming Achievements

- Solved 250+ questions on online coding platforms like Leetcode, Codeforces, Codechef, Code360, and GFG.