ABHINAV TIWARI

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EDUCATION

B.tech in Computer Science, GLBITM GR.NOIDA   Expected 2025
CGPA: **7.8**

TECHNICAL SKILLS

Programming Languages	C++, Python, JavaScript.
Frontend Technologies	HTML, CSS, Ejs, Bootstrap.
Backend/Databases	Django, Node.js, MySql, MongoDB.
Developer Tools	VS code, Git, Github.

EXPERIENCE

AICTE VIRTUAL INTERNSHIP

- Developed an AI chatbot using Django, integrating Gemini 1.5 Flash via API for intelligent and context-aware responses in student-faculty interactions.
- Built a responsive chat interface using HTML, CSS, JavaScript, and Django templates, enabling real-time message processing with natural language understanding (NLU).
- Optimized chatbot performance by managing API calls efficiently, improving response accuracy, and ensuring scalability with Python, Django, and REST APIs.

PROJECTS

CAMPUS SOLUTIONS

- Developed a Django-based web application to streamline campus management by providing students and faculty with tools for academic resource access, attendance tracking, and assignment management utilized by 60+ students.
- Used HTML, CSS, Bootstrap and Jinja Templating for the frontend, Django for the backend and MongoDB for database management.
- Enhanced student efficiency by providing a centralized platform, reducing the time spent searching for resources by 50% and improving academic preparation efficiency

MOVIE RECOMMENDER SYSTEM

- Implemented a content-based movie recommendation system using NLP techniques, achieving a Precision score of 0.78 based on cosine similarity and bag-of-words vectorization.
- Processed and analyzed over 9000 movie datasets to generate personalized recommendations by combining genre, cast, crew, and keywords into vectorized tags.
- Improved recommendation accuracy by 20% through advanced data preprocessing, including stemming, tokenization, and feature extraction for enhanced content matching.

WEATHER APP

- Created a weather application using HTML, CSS, and JavaScript, integrating the OpenWeatherMap API to provide real-time weather data, including temperature, humidity, and wind speed, for over 500 cities globally.
- Implemented weather icon updates based on conditions such as clouds, clear skies, and rain, improving user interface engagement with an interactive design and achieving a 20% increase in user interaction.
- Used error handling for invalid city names resulting in a 30% reduction in user input errors during testing.

EXTRA-CURRICULAR ACTIVITIES/ACHIEVEMENTS

- A 2 star programmer on Codechef Max Rating(1531).
- Global Rank **589** in Codechef starters 78 with over **20000** participants.
- Solved **360+** problems of DSA on leetcode.
- **10th** rank in college coding competition with over **1000** participants .
- Organized coding competitions to engage and educate students as a Campus Ambassador for Coding Ninjas.