Sarthak Sambhav

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Professional Summary

- Software Engineering Student (B.Tech, Cloud Computing & Automation) at VIT Bhopal University with a strong foundation in data structures, algorithms, and software development.
- Proficient in Java, Python, and C++, with expertise in Machine Learning, SQL, and Web Development. Experienced in building scalable applications and optimizing database performance.
- Developed an ML-based stock prediction model, improving forecast accuracy by 85%, and built a movie recommendation system using TF-IDF Vectorization, enhancing user engagement.
- Bronze Trophy Winner at Oracle Dev Gym (SQL Certification), demonstrating proficiency in database management and query optimization.
- Passionate about solving complex problems, collaborating in dynamic environments, and continuously enhancing technical skills to develop efficient and impactful solutions. Seeking a Software Development Opportunity to apply expertise in AI, software engineering, and cloud computing.

Education

VIT Bhopal University(2022 - 2026)
- B.Tech in Computer Science Engineering (Cloud Computing & Automation) | : 8.43 CGPA

Jaypee Public School, Noida
- 10th: 80% | 12th: 69%

Projects

- **Stock Prediction ML Model** – Developed a predictive model to forecast stock prices using Python, Scikit-learn, and Time Series Analysis, achieving 85% accuracy.Developed a stock prediction model using Streamlit and yfinance, leveraging machine learning for real-time stock price forecasting.
- **Movie Recommendation System** – Built a recommendation system using TF-IDF Vectorization and Scikit-learn to enhance personalized movie suggestions with 60% movie likewise.Using IMDB dataset, vectorization techniques, and Streamlit, deployed for interactive user recommendations.

Achievements

Bronze Trophy at **Oracle Dev Gym** (*Oracle SQL Certification*) – *Aug 2024*
- *Achieved top 5% ranking in SQL & Database Management challenges.*Received this certification for completing a course at Oracle Dev Gym, demonstrating proficiency in database management and development concepts.

Mathematics Olympiad **–** *Bronze Medal(Zonal)-SOF(IMO)*
- This accomplishment reflects my strong problem-solving skills and proficiency in mathematical concepts.

Java 5 Star Gold – *HackerRank*
- *Recognized for advanced proficiency in Java programming, ranking among top competitive coders.*

Finalist in Hackathon – *Pixel Wizard (Sant Longowal Institute, Punjab, 2024)*

Certifications/Courses

HTML, CSS, and JavaScript for Web Developers – Coursera *(Dec 2023)*

Fundamentals of AI & ML – Vityarthi *(May 2023)*
- The course covered key topics such as supervised and unsupervised learning, neural networks and natural language processing

Advanced Java Course – CodeChef *(Jul 2023)*
- This course delved into advanced Java programming concepts, including multithreading, concurrency, design patterns, and Java frameworks

Skills

Hard Skills
- **Programming Languages:** Java, Python, C++
- **Machine Learning:** TensorFlow, Scikit-learn, NLP
- **Database Management:** SQL, MySQL, OracleDB
- **Web Development:** HTML, CSS, JavaScript, Flask
- **Software Development:** Data Structures & Algorithms, System Design

Soft Skills
- Problem-solving,Collaboration, Communication,Time Management