Keshav

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Education

Netaji Subhas University of Technology — **Delhi, India**
Bachelor of Technology: Computer science and Engineering with Big data Analytics — Expected in 05/2026
GPA-8.81

Rao Man Singh Sr Sec School — **Delhi, India**
Senior Secondary Education — 2021-2022
Percentage – 94.8

Golden Valley Sr Sec School — **Delhi, India**
Secondary Education — 2019-2020
Percentage – 92.4

Skills Summary

- languages: Python, C++, C, JavaScript, SQL, HTML, CSS
- Framework: Scikit, NLTK, Django, Streamlit
- Tools: MySQL
- Courses: Machine Learning, Artificial Intelligence, Data Structure and Algorithms, Operating System, Database Management Systems, Web Technology, Data Science, Data Mining, Big Data Analytics, Theory of Automata and Formal Languages
- Soft Skills: Communication, Decision Making, Stress Management, Time Management

Projects

AI-Driven Disease Prediction System
- Deployed a machine learning-based diagnostic tool for predicting diseases such as breast cancer, liver disease, thyroid disorders, lung cancer, and Parkinson's disease etc.
- Utilized supervised learning models (SVM, Random Forest, Logistic Regression, Gradient Boosting) with feature engineering, data balancing (SMOTE), and hyperparameter tuning to improve accuracy.
- Built a user-friendly interface using Streamlit for real-time predictions. Integrated model evaluation metrics to ensure reliability and deployed the solution for practical healthcare applications.

Email Spam Classification Project
- Developed an end-to-end machine learning model for classifying emails as spam or ham using Python.
- Preprocessed text data with NLTK, performed feature engineering, and applied models like Naive Bayes, SVM, and Random Forest.
- Optimized performance with ensemble methods (Voting and Stacking Classifiers).
- Deployed the model and vectorizer using Pickle, and built an interactive web app with Streamlit for email classification.

Bus Route Simulator
- Developed an interactive bus simulation using Pygame, demonstrating proficiency in Python and algorithmic design.
- Implemented Dijkstra's algorithm for shortest path calculation within a graph structure, optimizing bus routes and travel time.
- Designed a visual simulation of a bus navigating through various stops, enhancing user engagement and educational value.

Responsive Library Homepage
- Created a visually appealing and user-friendly library landing page using HTML, CSS, and JavaScript, ensuring seamless navigation and readability on all devices.
- Implemented interactive elements such as book previews and search functionalities to enhance user engagement and usability

Achievements

- Solved 500+ coding problems on LeetCode.
- Secured a global ranking of 77 in CodeChef starters 172.