Kushagra Tandon

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⚙ GitHub

SUMMARY

Computer Science student with project experience in software and web development. Worked on academic and personal projects involving Frontend and Backend Developement. Seeking an internship or entry-level role in software development to apply programming knowledge, debugging skills, and problem-solving abilities.

EDUCATION

Pranveer Singh Institute Of Technology, Kanpur   Dec 2022 – Jul 2026 | CGPA: 7.4/10.0
B. Tech (Computer Science & Engineering)

Dr. Virendra Swarup Education Centre   Kanpur, Uttar Pradesh
Class X : 87% | Class XII : 68.8%

Skills

Programming: Python, Java

Frontend: HTML, CSS, JavaScript, React

Databases: SQL, MySQL

Libraries and Tools: NumPy, Pandas, Matplotlib, Scikit-learn, Keras, OpenCV, Streamlit, Git/GitHub, VS Code

Core CS: DSA, DBMS, Operating Systems

PROJECTS

Emotion Based Music Recommendation System 🔗   Aug 2023 – Jul 2024
- Python | Keras | OpenCV
- Developed a system that detects emotions from facial expressions and recommends music based on the user's mood.
- Trained and deployed deep learning models to classify emotions such as happy, sad, and surprised.
- Integrated a real-time engine with MediaPipe, OpenCV, and Keras to map emotions to personalized playlists.

Diabetes Prediction 🔗   Oct 2024 – Mar 2025
- Python | Scikit-learn | Pandas | Streamlit | Machine Learning
- Built a machine learning model using the PIMA Indian Diabetes Dataset to classify patients as diabetic or non-diabetic.
- Preprocessed data with imputation and feature selection, then trained a Logistic Regression model for predictions.
- Deployed with Streamlit, enabling users to input health parameters and instantly check diabetes risk.

Secure Notes App 🔗   Apr 2025 – In Progress
- React Native | AES-256 | Blockchain
- Developed a secure cross-platform notes app using React Native with features to create, edit, and delete notes.
- The app secures personal notes using AES-256 encryption, so only the user can access them.
- Each note's metadata is recorded on a blockchain to prevent tampering.

Achievements

- Solved 200+ coding challenges on HackerRank and LeetCode.
- 5 star badge for Python and 3 star badge for Problem Solving in HackerRank.
- Maintained GitHub projects with 100+ commits and multiple contributions.

Certificates

- Python (Basic) Hacker rank Certificate (Jul 2024) 🔗
- SQL (Basic) Hacker rank Certificate (Oct 2024) 🔗
- Object Oriented Programming using Python (Infosys Springboard) (Apr 2024-May 2024)