DHRUV KUSHVAHA

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EDUCATION

Vivekanand Education Society's College of Arts, Commerce and Science, Chembur, Mumbai, Maharashtra
Bsc. Computer Science │ CGPA (Till Sem 5) : 9.94 │ **July 2022 - April 2025**

PROJECTS

Edutrack: Learning Management System │ *Python, MySQL, Twilio Messaging API, Libraries: CustomTkinter* │ *link*

- Developed a Python-based software school management system with a user-friendly GUI to streamline admissions, attendance, grading, and notes management.
- Integrated Twilio API for automated SMS notifications and OpenAI API to power a personalized student chatbot.
- Optimized performance using efficient data structures, ensuring seamless multi-user role management for administrators, teachers, and students.

Credit Card Fraud Detection │ *Python, Libraries: Sklearn, Pandas, Matplotlib* │ *link*

- Built a credit card fraud detection model using Scikit-Learn, achieving an F1 Score of 0.84 with Random Forest on imbalanced data.
- Evaluated multiple ML techniques and selected Random Forest for its superior performance.
- Preprocessed and visualized data using Pandas, StandardScaler, Matplotlib, and Seaborn to enhance model accuracy and insights.

Music Player using Linked List │ *Python, Libraries: CustomTkinter* │ *link*

- Developed a GUI-based music player using CustomTkinter, implementing core playback functionalities.
- Designed a playlist management system using linked lists, enabling dynamic song sequencing.
- Showcased data structure concepts for optimized memory usage and smooth user experience.

TECHNICAL SKILLS

Languages: Python, Java, SQL
Frameworks: Flask, Django
Tools and Software: Power BI, Git and VS Code
Libraries: Pandas, NumPy, Matplotlib, Scikit-Learn
APIs & Services: OpenAI API, Google Cloud, Jupyter Notebook, Google Colab
Databases: SQL, Firebase
Other: Object-Oriented Programming (OOP), Data Structures

SOFT SKILLS

Problem Solving & Teamwork: Built AI models; collaborated on projects and research.
Communication & Leadership: Content writing intern; led as event/lab in-charge.
Adaptability & Quick Learning: Picked up new tools and tech across diverse projects.
Collaboration and Team Player: Worked as a part of team, participated at KIIT PIC with an IOT Project

ACHIEVEMENTS

- Secured Best Student Runner-Up Award (2024-2025)
- Reached Zonal Level in Aavishkar Research Competition 2024-2025.
- 3rd Prize (Group) in Software Development Competition at the college level.
- Served as Class Representative in the Student Council.
- Participated in the LLE Program for 2 years, contributing to community service and leadership initiatives.

CERTIFICATES

- Advanced Data Science and Machine Learning by Infosys Springboard
  Link to all relevant certificates: *link*