


PRIYANSHU RAJPOOT

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Follow ups -



EDUCATION

M.C.A.	Dev Bhoomi Uttarakhand University (DBUU)	2023–25
B.C.A.	Gandhi Faiz-e-aam College, MJPRU	2019–22
XII	Dr. G.L. Kanojia Public School, CBSE	2019
X	Dr. Sudama Prasad Vidyasthali School, CBSE	2017

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6)

Frameworks/Tools: PyQt5, Streamlit, CustomTkinter, OpenCV, Transformers.js, Git/GitHub

Databases: MySQL

Other: Chrome Extensions (Manifest V3), NLP, Computer Vision

PROJECTS

PTEXTOR - Text editor and viewer

It bridges plain text editing with web-based animations, making it suitable for creating dynamic content like interactive stories or presentations without requiring web development skills. The project emphasizes modularity, with separate modules for parsing, GUI, utilities, and file handling.

Knight Vision – AI Chess Assistant

Built an AI-powered chess assistant using Python, OpenCV, python-chess, and Stockfish, detecting boards/pieces from images or video and suggesting optimal moves. Generated FEN notation for compatibility with chess engines, enabling real-time coaching and applied computer vision demonstrations.

Chat Caster – Personalized Conversational AI

Developed a desktop app with Python, CustomTkinter, and threading to train conversational AI models on WhatsApp chat histories, simulating realistic chat behavior. Ensured all training and inference run locally, following a privacy-first design.

Inbox Guard – Sentiment Analyzer Chrome Extension

Created a Chrome Extension using Transformers.js and DistilBERT for Gmail sentiment analysis, running fully offline in-browser. Delivered privacy-centric results with confidence scores, optimized via WebAssembly.

Xorify – Encryption Web App

Developed an interactive Streamlit app for multi-layer XOR encryption/decryption of text and files with real-time error handling. Integrated qrcode generation for sharing decrypted messages.

Gifly – Music Player Chrome Extension

Designed a Manifest V3 Chrome Extension music player using HTML5, CSS3, and ES6 JavaScript, enabling offline playback of local audio files. Implemented custom heart-based seek/volume controls, playlist modal, and randomized GIF backgrounds.

ACHIEVEMENTS

- Completed 6+ end-to-end projects in AI, security, and browser-based apps, showcasing self-learning, adaptability, and passion for building impactful solutions.

INTERESTS

Artificial Intelligence · NLP · Computer Vision · Problem-Solving