DEEPRAJ KUSHWAHA

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ACADEMIC PROJECTS

❖ *Health Fusion DBMS–Based Healthcare Portal*

An end to end Database focused portal for patient registration, organizing information and fixing appointments with healthcare professionals MySQL, Node.js, Javascript, HTML, CSS.

❖ *Cloud Storage Optimization with Chunk–level De–duplication*

Implemented chunk-level de-duplication in cloud storage using a hash-based model and Cuckoo hashing, reducing redundancy. Removed duplicated user data while preserving file meta-data. Technologies used: Python, Cuckoo hashing algorithm, and cloud storage APIs.

❖ *Currently developing a model that recognizes violence through surveillance cameras*
Developed a Python-based model to recognize violence in real-time surveillance footage using deep learning techniques. Utilized pre-trained models like YOLO or Faster R-CNN, fine-tuned with annotated data for accurate violence detection. Integrated the model with video processing tools for live monitoring and automated alert generation.

EXPERIENCE

❖ **Project Leader | Health Fusion**
(7-11-2023)

Led a team of 5 in creating a healthcare portal with MySQL, ensured code quality, and implemented responsive design. Managed project timelines and tasks effectively.

❖ **Class Representative | IES University , Bhopal**
(15-10-2022)

Represented the class in meetings with faculty, facilitated communication, organized events, addressed student concerns, and promoted a positive classroom environment.

EDUCATION

❖ College Branch | **IES University , Bhopal** .   *CGPA*: *8.2 | (27-7-2024)*
❖ XII (M.P Board) | Rani Durgwati High Secondary School.   *60%| 2021*

SKILL

❖ **Programming Languages:** Java, JavaScript
❖ **Web Technologies:** HTML, CSS

❖ **Backend Technologies:** Node.js

❖ **Databases:** MySQL

ACHIEVEMENTS

● I earned a DSA with Java certificate Click here

● I participated in the Tata Imagination Challenge, where I showcased my creativity and problem-solving skills. Click here