HARSH RAJ

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LinkedIn Profile | My GitHub Profile

SUMMERY

MCA student with hands-on experience in Python, SQL, and Machine Learning, having built real-time computer vision and fraud detection systems. Strong in data analysis, model evaluation, and backend development, seeking an entry-level role in software or data analytics.

EDUCATION

CMR University, Bengaluru   **2024-2026**
 Master of Computer Applications (MCA)   CGPA: 8.9 / 10
VIBRM , Muzaffarpur   **2020-2023**
 Bachelor of Computer Applications (BCA)   Score:83%

TECHNICAL SKILLS

Languages: Python, Java, SQL, C
Databases: MySQL, MongoDB
Frameworks / Libraries: OpenCV, NumPy, Pandas, Scikit-learn
Tools: GitHub, VS Code, Android Studio, Jupyter
Concepts: OOPS, Machine Learning, Computer Vision,MVC

PROJECTS

Object Detection Using OpenCV   **Jun 2025 -Jul 2025**
Developed a real-time object detection system using Python and OpenCV to identify and track multiple objects from a live camera feed with high accuracy. Implemented computer vision techniques using Haar Cascades and YOLO for effective detection and visualization. Utilized NumPy for image processing and optimization
Technologies: Python, OpenCV, NumPy, Haar Cascades, YOLO, Computer Vision

Credit Card Fraud Detection   **May 2025 – Jun 2025**
Built a machine learning model using Logistic Regression to detect fraudulent credit card transactions. Performed data preprocessing and evaluated model performance using accuracy, precision, recall, and F1-score metrics.
Technologies: Scikit-learn, Pandas, NumPy, and Matplotlib for analysis and visualization.

Recording App   **Mar 2025 – Apr 2025**
Developed an Android-based audio recording application using Java and Android Studio. Implemented Media Recorder and MediaPlayer APIs along with file system integration to store recordings locally with custom file names and organized directories using XML-based UI design.
Technologies: Android Studio, Java, Media Recorder, MediaPlayer, Android File System, XML

INTERNSHIP

Internz Learn - Artificial Intelligence Intern Bengaluru, Karnataka   **Sep 2025 – Nov 2025**
➢Gained hands-on experience in Artificial Intelligence and Computer Vision by developing a Face Recognition System as part of the internship program. Learned and applied image preprocessing, face detection, and feature extraction techniques using Python and OpenCV
Technologies: Python, OpenCV, NumPy, Computer Vision, Machine Learning

CERTIFICATES

The Ultimate SQL Bootcamp: Go From Zero to Hero by Sara Academy on Udemy   LINK
➢Gained hands-on experience in writing complex SQL queries using SELECT, WHERE, GROUP BY, HAVING, and ORDER BY

LANGUAGES

➢ English (Full Professional Proficiency), Hindi (Native/Bilingual Proficiency)