

B.TECH CSE(AI&ML)
MANIPAL UNIVERSITY JAIPUR

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Technical Skills

Programming Languages:

- Python (Advanced)
- SQL (Intermediate)
- C++ (Intermediate)
- Python (Advanced)
- javaScript (Intermediate)

AI/ML:

- OpenCV
- PyTorch
- YOLOv8
- DeepFace
- Face Recognition
- NumPy
- Pandas
- Statistics

Web Dev:

- FastAPI
- React
- TailwindCSS
- WebSockets
- REST APIs

Databases:

- Oracle
- SQL
- Database Design

Tools & Others:

- Git/GitHub
- DSA
- OOP

Education

- **Manipal University Jaipur**
B.Tech in Computer Science
Engineering (AI&ML)
2023-2027
cgpa : 7.38

ARCHIT BADONI

Summary

AI/ML-focused Computer Science student with experience building production-ready computer vision applications. Created SmartHairAI facial analysis system and Universal Home AI security dashboard with real-time object detection. Combines strong programming foundation (Python, C++) with modern ML frameworks (PyTorch, YOLOv8) and full-stack development skills (FastAPI, React, WebSockets).

CERTIFICATIONS

Database Design

Oracle Academy
Issue Date : 14th November,2024

Data Structures And Algorithms

Codechef
Issue Date :19th November,2024

Database Foundations

Oracle Academy
Issue Date : 16th November,2024

Python Essentials 1&2

Cisco Academy
Issue Date : 14th October,2024

Database Programming with SQL

Oracle Academy
Issue Date : 20th November,2024

PROJECTS

SmartHairAI – AI-Based Facial Similarity & Hairstyle Recommendation

System(ongoing) : Developed facial recognition system processing 13,000+ celebrity images using OpenCV and face_recognition library to extract 128-dimensional encodings. Built full-stack solution with Flask backend and responsive frontend, implementing pickle serialization for 90% faster load times and distance-based similarity matching for salon hairstyle recommendations.

Tech Stack: Python, Flask, OpenCV,face_recognition,HTML ,CSS, Javascript

Universal Home AI – Real-Time Smart Home Security Dashboard

: Built AI-powered security system with YOLOv8 object detection and real-time video streaming via FastAPI backend. Developed responsive React dashboard with WebSocket integration for instant alerts and live camera feed analysis, optimized for low-latency performance across multiple environments.

Tech Stack: Python, FastAPI, PyTorch (YOLOv8), OpenCV, React, TailwindCSS, WebSockets

Git repo: [Universal-Home-Organization-AI](#)