

ADARSH KATARE

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[LinkedIn](#) | [GitHub](#)

EDUCATION AND TRAINING

Indian Institute of Information Technology, Bhopal

B. Tech Electronics and Communication Engineering; **GPA: 8**

Relevant Coursework: OOPS | DSA | Statistics | Advance Engineering Maths

Interested Domain: Machine Learning | Computer Vision | Data Science

Bhopal, Madhya Pradesh

2023 Present

WORK EXPERIANCE

HypWeb Solutions LLP | AI/ML Intern

March 2025 - Present

- Developed and optimized APIs using FastAPI for seamless AI model integration.
- Explored Google Colab and cloud servers for efficient model hosting and scalability.
- Collaborated with cross-functional teams to enhance AI-driven solutions.

Achievements

2nd Runner-up in Internal College Hackathon (Hack-O-Sprint 2.0)

October 2024

- Developed an innovative solution with 5-member team to optimize agricultural productivity using AI/ML and drone technology, resulting in a **30% reduction in resource wastage** for apple orchards.

District Topper in Class 12th (CBSE Board)

2023

- Achieved the highest academic ranking in the district for the HSC CBSE board exams.

Projects

Food Ingredient Analysing Expert AI | Tesseract OCR, Langflow, API's. [GitHub Link](#)

January 2025

- Developed an AI-driven nutrition analysis system that processes food ingredient lists from images.
- Utilized Tesseract OCR for extracting text with image preprocessing (morphological transformations) via OpenCV.
- Designed a langflow workflow for health impact analysis using Gemini API.
- Integrated Streamlit for UI/UX and real-time API interactions for dynamic health assessments.

Mobile Price Prediction System | ML, One Hot Encoding, stream lit [GitHub link](#)

November 2024

- Engineered a Random Forest Regression based machine learning model to predict mobile phone prices by analysing multivariate data
- Optimized the model's performance with **accuracy up to 92.70%**.
- Designed a user interface using Streamlit, employing real-time input-output mapping to display price predictions based on user defined variables.

Real-time Face& Eyes Detection System | OpenCV, Deep Learning [GitHub Link](#)

October 2024

- Utilized Haar cascades to detect facial features and improve accuracy
- Achieved real-time detection by optimizing frame-per-second (FPS) performance for live video streams

Skills

Programming Languages	: Python (OOPS + DSA), SQL(DBMS), C/C++, (Computer Networking)
Libraries & Frameworks	: OpenCV, Pandas, Seaborn, Matplotlib, Scikit-learn, TensorFlow, API's
Tools	: Git, Git Hub, Jupyter Notebook, Vs Code, Langflow, Flutterflow
Non-technical skills	: Adaptive Learner, Leadership Capability, Effective Communication
Languages	: Hindi, English, Marathi

Extracurricular Activities

Cultural Secretary | Shirinbai Netrawala School, Tumsar

2021-2023

~Led and organized various cultural events, fostering team spirit and creativity

1st Prize in Inter-School Games | Bhandara District | Badminton

2022

Data Analytics and Visualization Certification by Accenture

October 2024