

# Mohit Meharde

Computer Vision and Machine Learning

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## SUMMARY

Innovative and detail-oriented B.Tech Computer Science student with a strong passion for Computer Vision and Machine Learning. Eager to explore new technologies and contribute to cutting-edge AI solutions while continuously expanding my skill set. Skilled in developing AI-driven applications, optimizing predictive models, and implementing deep learning techniques to solve real-world problems. Seeking an opportunity to apply my expertise in ML algorithms, image processing, and data-driven decision-making while collaborating with experienced professionals to grow and innovate.

## EXPERIENCE

### Data Science Intern

Nov '24 — Dec '24

Oasis Infobyte

Indore, India

- Developed and deployed ML models for **Iris Classification, Unemployment Analysis in India, and Car Price Prediction**, utilizing **Python, Pandas, NumPy, Matplotlib, and Scikit-learn** to extract meaningful insights.
- Enhanced model performance through **data preprocessing, exploratory data analysis (EDA), feature engineering, and hyperparameter tuning**, ensuring **higher accuracy and interpretability**.
- Applied supervised learning techniques (classification & regression) to analyze **real-world datasets**, improving **data-driven decision-making and predictive capabilities**.

## EDUCATION

B.Tech in Computer Science & Engineering, Medi-Caps University

Aug '22 — Present

Indore

Higher Secondary Education in , Prestige Public School

2008 — 2022

Indore

## CERTIFICATIONS

Deep Learning for Beginners, simplilearn

Certificate of excellence in C,C++ & OOPs, Universal Informatics

Advanced Google Analytics, Google

AI Engineer Certificate, OneRoadmap

Jan '01

Data Visualization: Empowering Business with Effective Insights , Tata (Forage)

## ACHIEVEMENTS

### Hackathon

Advanced to **Round 2 of SIH 2024** with a **healthcare automation project** and competed in **SEED 2024, Execute 2025, and Samadhan 1.0**, applying **ML-driven solutions** to real-world problems

### Technical Leadership & Event Management

Led and organized **school and university-level technical events**, strengthening **teamwork, problem-solving, and event management** skills.

### Competitive Programming

Participated in multiple **online coding contests and hackathons**, enhancing **algorithmic thinking, debugging, and real-time problem-solving**.

## PROJECTS

### F1 Race Prediction Model using Jupyter Notebook & Scikit-learn [Link](#)

- Built a **predictive model** for **Formula 1 race outcomes** using historical race data.
- Used **Scikit-learn** for data preprocessing, feature engineering, and model training.
- Implemented **Random Forest and Gradient Boosting algorithms**, achieving an **85% accuracy**. Visualized insights using **Matplotlib and Seaborn** to analyze key performance factors.

### AI Black and White Image Colorization with OpenCV [Link](#)

- Developed an **AI-based image colorization model** using **OpenCV and Deep Learning**.
- Utilized **Convolutional Neural Networks (CNNs)** to convert grayscale images into realistic color images.
- Trained the model on a large dataset, achieving a **75% accuracy** in color reproduction.

## SKILLS

**Programming :** Advanced Python, C, C++, Core Java, R, SQL, MongoDB

**Machine Learning & Deep Learning :** TensorFlow, PyTorch, Scikit-learn, Power BI, OpenCV

**Data Handling & Analysis :** Pandas, NumPy, Jupyter Notebook, Excel

**Model Deployment :** Flask, Docker, Cloud Services, Figma