AKANKSHA MESHRAM

akankshameshram989@gmail.com +91 9373843206 Nagpur, Maharashtra
github.com/Akankshameshram29 https://www.linkedin.com/in/akanksha-meshram

SUMMARY

Artificial Intelligence and Data Science undergraduate with hands-on experience in building and deploying machine learning models for computer vision and data-driven decision systems. Experienced in Python, SQL, TensorFlow, and end-to-end ML workflows, with a strong interest in applied AI and data science roles.

EDUCATION

Bachelors in Technology: Artificial Intelligence & Data Science Expected – 06/2026
Priyadarshini College of Engineering, Nagpur
CGPA : 7.2

SKILLS

Programming: Python, Java, SQL
Machine Learning: Supervised and Unsupervised Learning, CNNs
Libraries / Frameworks: TensorFlow, Keras, Pandas, NumPy, OpenCV, Matplotlib
Data Skills: Data Cleaning, Feature Engineering, Exploratory Data Analysis (EDA), Model Evaluation
Tools: Git, GitHub, Jupyter Notebook, Google Colab, Flask
Core Concepts: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems

PROJECTS

Deepfake Detection System | Python, TensorFlow, MobileNet 01/2025 – 04/2025

- Designed and developed an **image-based deepfake detection system** using CNN and MobileNet transfer learning to classify real vs AI-generated facial images.
- Performed **data preprocessing, augmentation, and normalization** on large-scale real-world datasets using OpenCV and NumPy to improve model robustness.
- Trained and evaluated multiple deep learning models, achieving **~75% test accuracy**, and analyzed performance using precision, recall, and confusion matrices.
- Focused on addressing **real-world challenges of AI-generated media detection**, contributing toward improved digital trust and content authenticity.

Multi-Digit Handwritten Digit Recognition | Python, TensorFlow,Flask 07/2025 – 08/2025

- Built a **CNN-based multi-digit handwritten number recognition system** capable of extracting and predicting multiple digits from a single image.
- Implemented **image preprocessing pipelines** including grayscale conversion, normalization, segmentation, and resizing to enhance prediction accuracy.
- Integrated the trained model into a **web application** to enable real-time user input and inference.
- Demonstrated understanding of **model deployment and inference pipelines**, bridging machine learning development and application usage.

CERTIFICATIONS

Python for Data Science – CognitiveClass.ai Data Analysis with Python – CognitiveClass.ai Data Visualization with Python – CognitiveClass.ai

ACHIEVEMENTS

DSA Practice

- Practiced 200+ Data Structures and Algorithms problems in Java across arrays, strings, stacks, queues, and basic trees.