Mukul Mishra

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SUMMARY

A B.Tech graduate in AI/ML with a 9.42 CGPA, driven by a passion for building effective AI solutions. I'm skilled in **Python, Java, Scikit-learn, NumPy, and Pandas**, and apply these skills to create impactful projects. My problem-solving ability is reflected in a top 16% rank in a competitive hackathon and completing over 220 LeetCode problems. Off the keyboard, performing music and poetry keeps my creativity and discipline sharp.

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL

ML Libraries: NumPy, Pandas, Scikit-learn

Developer Tools & Databases : GitHub, MySQL, AWS, Power BI

PROJECTS

Fake Image Detection   Aug 2024 – Dec 2024

Python, TensorFlow/Keras, OpenCV

Designed and trained a Convolutional Neural Network (CNN) to classify real vs. fake images.

Applied image preprocessing and augmentation techniques to improve generalization.

Achieved high accuracy in detecting manipulated images across multiple test datasets.

Voice-based Assistant with Face Authentication   2025

Python, Google Gemini API, Porcupine, Haar Cascade

Architected and built a secure voice assistant with integrated facial authentication for user verification.

Integrated Google Gemini API for advanced conversational AI and Porcupine wake word detection for hands-free interaction.

Leveraged SpeechRecognition for speech-to-text, automating tasks such as searches, reminders, and system commands.

EDUCATION

VIT Bhopal   Bhopal, India
B.Tech. in Computer Science (Artificial Intelligence & Machine Learning) – CGPA: 9.42   *Aug 2023 – July 2027*

The Pillars   Gorakhpur, India
Senior Secondary School (12th) – 94.4%   *2023*

The Pillars   Gorakhpur, India
Secondary School (10th) – 93%   *2021*

CERTIFICATIONS

• NPTEL Cloud Computing – 79%

• Microsoft DP-900: Microsoft Azure Data Fundamentals – Score: 970/1000

• IBM Generative AI Certification

EXTRACURRICULAR ACTIVITIES

• Singing; 220+ LeetCode problems solved

• Top 16% – Shell AI & Zelestra Competitions

• Passionate Singer , Debater , and Poet/Narrator