Dhawal Sarode

Enthusiastic Computer Science undergraduate specializing in AI/ML with strong Python skills. Experienced in building practical projects, including GAN-based audio steganography, Parkinson's disease detection models, facial recognition systems, and SQL databases. Adept at problem-solving and applying machine learning techniques to real-world challenges.

tel:+91-7507221487
Email
LinkedIn
Github

WORK EXPERIENCE

Acmegrade(AIML Intern) July 2024 - Sept 2024

- Contributed to the development of AI-based solutions, working intensively with machine learning algorithms.
- Assisted in the implementation of data-processing and analysis tools that enhanced project efficiency and accuracy.
- Collaborated with cross-functional teams to optimize existing software, resolving technical issues and improving system performance.

PROJECTS

LSTM-GAN Audio Steganography for Secure and Imperceptible Data Hiding

- Developed a GAN and LSTM-based framework to embed secret messages in MIDI audio, ensuring high imperceptibility and security.
- Built a real-time Flask-React web app with AES password based encryption, achieving fast processing and robust message extraction.

Parkinson's Disease Detection Model

- Developed an artificial neural network using TensorFlow to detect Parkinson's disease from voice data after applying StandardScaler preprocessing.
- Achieved 82% test accuracy by preprocessing vocal metrics dataset, applying StandardScaler and training on 156 samples with 22 features.

Attendance System using Face Recognition

- Developed an automated attendance tracking system using facial detection algorithms in Python and OpenCV to reduce manual effort.
- Significantly improved accuracy and streamlined attendance management for efficient daily operations.

House Price Prediction System

- Designed a regression model using Python and scikit-learn to estimate house prices based on multiple parameters.
- Achieved over 85% accuracy in predicting prices, supporting informed decision-making for buyers and sellers.

Art Gallery Database System (SQL)

- Created an SQL database solution to manage art gallery records, enabling efficient querying and secure user access.
- Improved data handling and user experience by streamlining art piece information management.

Technical Skills

- Programming: Python, JavaScript, HTML, CSS, SQL
- AI/ML: TensorFlow, Keras, GANs, Scikit-learn, LSTM, Neural Networks
- Computer Vision: OpenCV
- Database: MySQL, SQLite
- Tools: Power BI, Git, Jupyter, VS Code, Google Colab
- Web: Flask, React , Django, REST APIs
- Natural Language Processing(NLP)

EDUCATION

Bachelor of Technology (BTech), Computer Science and Engineering
Amity University Mumbai
Batch 2021 - 2025

Certification

- Letter of Recommendation (3) from university faculty & Internship supervisors.
- Internship Completion - Acmegrade.
- Training Completion- Acmegrade.

Languages

- English (Fluent)
- Hindi (Fluent)
- Marathi (Fluent)
- German (Basic)

Additional Information

- Served as Team Lead in Acmegrade for process improvement.
- Completed online courses in Deep Learning and Natural Language Processing.
- Attended AI/ML webinars and academic workshops.

Interests

- Automating Everyday Tasks
- Reading about Emerging Technologies
- Artificial Intelligence Research

Soft Skills

- Analytical Thinking
- Adaptability
- Communication
- Problem solving
- Team Player
- Attention to Detail