Sanyam Kudale

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EDUCATION

Savitribai Phule Pune University (Computer Engineering)
Modern Education Society's Wadia College of Engineering, Pune

Jul 2019 – Jun 2025 | CGPA: **8.72**

12th Board (HSC)
Kisan Veer Mahavidyalaya, Wai

Jun. 2019 – May 2021 | **93%**

10th Board (SSC)
Dravid Highschool, Wai

Jun. 2013 – May 2019 | **89%**

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Object Oriented Programming
- Software Engineering
- Database Management Systems
- Computer Networks

WORK EXPERIENCE

ML Research Intern   **Jan. 2024 - Mar. 2024**

Worked on a project titled "Enhancing User Experience through Intelligent Hand Gesture Identification Systems" under the guidance of College professor (Dr. J.R.Pansare).

- Implemented a hand gesture recognition system using OpenCV and TensorFlow.
- Achieved 97% accuracy in real-time gesture recognition.
- Technologies: Python, OpenCV, TensorFlow

TECHNICAL SKILLS

- **Languages**: HTML, CSS, JavaScript, C++, Python.

- **Frameworks**: MySQL.

- **Libraries**: Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow.

- **Tools**: GitHub,Visual Studio Code, Git, Jupyter,Excel.

PROJECTS

Voice-powered Calculator   *Jan 2025 – Jan 2025*

- Developed a voice-powered calculator using Azure Speech Services for speech-to-text conversion, enabling natural language-based calculations.
- Integrated Azure Cognitive Services for accurate voice recognition and real-time text-to-speech feedback.
- Technologies: Azure AI services, Python, Flask, HTML, CSS, JS.

Bird Species Prediction Based on Voice Using CRNN

- Designed a deep learning system to classify bird species using both audio (voice) and image inputs.
- Utilized CRNN to extract spatio-temporal features from spectrograms of bird calls.
- Applied transfer learning with pre-trained CNN models (e.g., VGG16) for accurate image-based species classification.
- Technologies: Python, TensorFlow, Librosa, OpenCV, Flask, HTML, CSS, JavaScript.

Maharashtra Forts Tourism Website *Apr 2024 - May 24*

- Developed a tourism website showcasing Maharashtra's historic forts, featuring an interactive map and detailed descriptions.
- Integrated a dynamic gallery and booking system for tourists.
- Technologies: HTML, CSS, Bootstrap, JavaScript, PHP.

SOFT SKILLS

- Team Collaboration
- Time Management
- Leadership
- Problem-Solving
- Communication

CERTIFICATION

- TCS iON Career Edge - Young Professional Training Verify 🔗.

- Microsoft Learn Cloud Skills Challenge on Azure AI Fundamentals Verify 🔗.

- Infosys Foundation: AI Course Completion Verify 🔗.