

SIDDHI RAJEEV YADAV

☎ +91-8329519046 ✉ siddhiyadav363@gmail.com in <https://linkedin.com/in/siddhi-363-yadav>

SUMMARY

Computer Science Engineer specializing in Artificial Intelligence, Data Science with strong foundations in algorithms, databases, and cloud technologies. Skilled in building ML and deep learning solutions , alongside developing scalable applications using Python, SQL, FastAPI and AWS. Passionate about leveraging both software engineering principles and advanced analytics to deliver innovative, real-world solutions.

TECHNICAL SKILLS

- **Programming & Databases:** Python, SQL, OOPS, DSA, HTML, CSS
- **Machine Learning & AI:** Machine Learning, Deep Learning, Neural Networks, Predictive Modeling, Feature Engineering, Exploratory Data Analysis (EDA), Statistics, OpenCV, NLP
- **Frameworks & Libraries:** TensorFlow, PyTorch, Scikit-learn, Keras, Gradio
- **Data Analytics:** Power BI, Tableau, Matplotlib, Seaborn
- **Cloud & Deployment:** AWS (EC2, S3, SageMaker), Flask, Git

PUBLICATIONS

IEEE ICISAA - Gesture Palette - A Virtual Painting Website

CERTIFICATIONS

- AWS Academy Machine Learning Foundations AWS Academy
- Machine Learning and Artificial Intelligence Workshop Technex, IIT Varanasi
- Machine Learning Workshop Techfest, IIT Bombay
- AWS Academy Cloud Foundations AWS Academy

POSITIONS OF RESPONSIBILITY

- Executive Head, Sessions Walk With World (Student run club)
- Core Team Member (Video Editor) Walk With World (Student run club)
- Technical Team Member ACADS (Departmental Student Association)

EDUCATION

Bachelor of Technology **2021-2025**
KIT's College of Engineering, Kolhapur **CGPA:9.22**
Higher Secondary Education **Percentage: 87.5**
Chate Junior College of Science, Kolhapur
Secondary Education **Percentage: 89.4**
New Model English School, Kolhapur

PROJECTS

Sugarcane Disease Prediction

- Deployed a deep learning CNN model achieving 91.94% accuracy for multi-class classification of sugarcane leaf diseases

Gesture Palette

- Engineered a real-time hand gesture recognition system using computer vision, enabling virtual canvas drawing with 89% recognition accuracy

IMAGICA – Image Caption Generator

- Developed an Android app that generates automated image captions, assisting 100+ users in accessibility and content creation.

INTERNSHIP EXPERIENCE

Data Science Associate | SaffronEdge

Jan '25 – Ongoing

- Built a fertilizer recommendation system using NPK soil values with ML models improving recommendation accuracy by 18% and enabling data-driven decision support for farmers.

AI Engineer | Rapid Technologies

Jan '24 – Jun'24

- Designed and trained a Coronary Heart Disease detection system using patient health records with ML models achieving 92% accuracy