REVATI KAMBLE

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◇ 9850261739

OBJECTIVE

Seeking a challenging role in an organization that promotes continuous learning, skill enhancement, and professional growth. Eager to contribute to the success of the organization while maintaining a balanced and purpose-driven career through dedication, adaptability, and a strong work ethic.

EDUCATION

B. Tech, Computer Science and Engineering (Data Science), D.Y. Patil College of Engineering and Technology, Kolhapur 2025

- 67.47%

Diploma In Information Technology, Government Polytechnic, Kolhapur 2022

- 79.13%

SSC, Siddhanerli Vidyalay & Jr. College Siddhanerli 2019

- 84.20%

SKILLS

Technical Skills	Python, Machine learning, Database, Basic HTML&CSS, SQL, C, C++
Soft Skills	Leadership, Adaptability and Resilience, Self-Motivation
Language	English, Marathi, Hindi

INTERSHIP EXPERIENCE

Data Science Intern June 2024 -August 2024

Edtech Internship (IIT Bombay)

- As a Data Science Intern and Project Lead at Edtech Internship (IIT Bombay), I led the development of an image classification from Scratch using the DAiSEE dataset to detect user engagement levels from facial expressions. I managed the complete pipeline from frame extraction and preprocessing to training CNN models for multi-class emotion classification. I coordinated team efforts, optimized model performance, and applied techniques like data augmentation and face detection to improve accuracy. This project deepened my understanding of deep learning and real-world data challenges, while also strengthening my leadership and research collaboration skills.

Python Machine Learning Developer Intern June 2023 - July 2023

iGAP Technologies Pvt.Ltd.

- As a Python Machine Learning Developer Intern at iGAP Technologies Pvt. Ltd. from June 2023 to July 2023, I contributed to the development and deployment of machine learning models for real-world business applications. My work involved data cleaning, exploratory data analysis, and implementing supervised learning algorithms using Python libraries such as scikit-learn and pandas. I also collaborated with the development team to integrate predictive models into existing systems, focusing on model accuracy, scalability, and maintainability. This internship enhanced my practical knowledge of machine learning workflows and strengthened my skills in applied data science and Python programming.

PROJECTS

AI-Enabled Real-Time Student Engagement Tracker (StudMeet) July 2024 - May 2025

Developed an AI-powered video conferencing platform to track student engagement in real time using facial expression analysis. Implemented a CNN-RNN model trained on the DAiSEE dataset to classify emotions like Engaged, Bored, and Sleepy with 91% accuracy. Integrated technologies such as React, Flask, WebRTC, and Supabase to deliver live analytics, personalized feedback, and activity suggestions to educators, enhancing the virtual learning experience.

Image Classification Model Using DAiSEE Dataset (Under IIT Bombay) June 2024 -August 2024

Led the development of an image classification model from scratch using Convolutional Neural Networks (CNNs) to classify emotional engagement levels in e-learning environments. The project involved end-to-end implementation, including frame extraction, preprocessing (face detection, resizing), and training the model using TensorFlow and Keras. The model was trained on the DAiSEE dataset to recognize states like Engaged, Bored, Distracted, and Looking Away. Applied data augmentation, fine-tuning, and evaluation techniques to improve classification accuracy and ensure robust performance across real-world scenarios.

Diabetes Prediction System January 2024 – May 2024

Developed a web-based application for diabetes prediction using Streamlit to deliver an interactive and user-friendly interface. The system utilizes machine learning algorithms to predict the likelihood of diabetes based on user-input medical data. Key Python libraries such as scikit-learn were used for model building and training, while pandas and NumPy handled data processing. The project focused on improving prediction accuracy and providing real-time feedback to users. This application highlights the practical use of machine learning in healthcare and demonstrates the ability to translate data-driven models into accessible web tools

Movie Recommendation System February 2023 - May 2023

Developed a Python-based Graphical User Interface (GUI) for movie recommendations based on user preferences. Using machine learning techniques and libraries such as scikit-learn, Tkinter for GUI design, and pandas for data handling, we used machine learning techniques and libraries to provide customized movie suggestions aligned with user input. This project emphasized collaborative filtering and content-based filtering for personalized recommendations.

EXTRA-CURRICULAR ACTIVITIES

- The class leader acted as a bridge between students and faculty, addressing concerns and ensuring smooth communication. Coordinated academic activities such as timetables, assessments, and meetings, ensuring efficient operations. Contributed to class morale and resolved student issues, creating a positive academic environment.
- NSS Volunteer actively participated in social outreach programs including health camps, cleanliness drives, and awareness campaigns focused on community welfare. Collaborated with team members to support event organization and engage with local communities. Gained valuable experience in teamwork, communication, and social responsibility through regular involvement in service-based initiatives.