SIDDHI PATIL

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EDUCATION

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN   Pune
  B.Tech   Expected May 2025
            Major in Electronics and Telecommunication Systems; Honors in Data Science
            Current CGPA: 8.1/10
            Relevant Coursework: Machine Learning, Deep Learning, Data Structures, Computer Vision , Java

COLLEGE PROJECTS

SEMANTIC SEGMENTATION OF POST-FLOOD SCENES ([Link](#))   Mar 2024
- Developed a deep-learning model using Tensorflow which segments drone images for improved disaster management.
- Performed essential preprocessing tasks to optimize image data for model training.
- Achieved mean Intersertion-Over-Union of 0.7 through rigorous hyperparameter tuning.

MYOCARDIAL INFARCTION USING ML ([Link](#))   Apr 2024
- Implemented a machine learning model to detect Myocardial Infarction using the PTB diagnostic database from Kaggle.
- Focused on data preprocessing, feature extraction with PCA, and handling class imbalance.
- Trained and evaluated models including KNN, Random Forest, and SVM, achieving 96% accuracy and AUC-ROC score of 0.99 with the Random Forest model.

HACKATHONS

BUFFER 4.0 ([Link](#))
DSA Project Competition   Mar 2023 – Apr 2023
- Developed a Java program to provide a platform for pet owners to access various pet services in 4-person team.
- Constructed the daycare module, allowing users to book boarding for pets by specifying time and duration.
- Secured 2nd place in the Custom Data Structure domain.

SKILLSET

Programming Languages: Java , Python , HTML , CSS , Javascript
Machine Learning: pandas , numpy , tensorflow, scikit-learn
Other Technologies: MySQL , OOPs , Tableau

MISCELLANEOUS

College Football Team Member
- Competed as a member of the college football team for two years
- Developed strong teamwork, discipline, and leadership skills
- Participated in various inter-college tournaments and matchesConstructed the daycare module, allowing users to book boarding for pets by specifying time and duration.

Volunteer
- Actively participated in various volunteering activities organized by Bhumi (NGO)
- Contributed to multiple drives conducted, enhancing organizational impact
- Gained valuable experience in teamwork, event coordination, and community outreach