Sarth Patil

CONTACT

G block, Raigad housing society
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PROFILE

A passionate engineering student aspiring to explore, learn and enact knowledge in various domains, having an optimistic approach towards every situation and being both research and application oriented.

Website - https://sarth-patil.github.io

GitHub - https://github.com/Sarth-Patil

EDUCATION

Bachelor of Engineering (Information technology) 2015 - 2019

University of Pune, Maharashtra

> Third Year SGPA   : 8.59
> Second Year SGPA   : 9.12
> First Year SGPA   : 8.34

Higher Secondary Education (HSC)

Maharashtra board

Year : 2015 , Score : 84.46 %

Secondary School Certificate (SSC)

Maharashtra board

Year : 2013 , Score : 90.55 %

TECHNICAL SKILLS

Programming Languages : Python, C, C++, Java, R (beginner), HTML5, CSS

Database Management :   MySQL, MongoDB

Web frameworks :   Django, Flask

PROJECTS

Human Resource Services -

A dynamic web application to help reduce the hardships faced by people in organizing events, to find proper resources required and help aspiring people to work for such events. Medium- Java, HTML-CSS .Database - MySQL.

Indoor Navigation Assistance for Visually Impaired
- Ongoing Final Year Project

A system that will assist visually disabled people in navigating indoor spaces, by integrating techniques such as mapping, obstacle detection, localization and audio assistance.

Blog Application -

A dynamic web blog application with MVT architectural pattern, having CRUD operations for Users and Posts. Medium- Django, HTML-CSS. Database - SQLAlchemy.

Comment Analyzer -

A Machine Learning based web application to predict whether a text comment is spam or not using Natural Language Processing techniques such as text feature extraction and Multinomial Naive Bayes classifier. Medium- Flask, HTML-CSS.

Image Classifying Application -

An Image classifying web application having pre-trained models - ResNet50, Inception_v3, VGG16 and MobileNet based on ImageNet weights to classify images into thousand classes. Medium- Flask, Keras, TensorFlow backend.

Experience in Machine Learning and Image Processing -

Neural Networks: Backpropagation Neural Networks, Convolutional Neural Networks, Recurrent Neural Networks, LSTMs, Regression, Distance-based models (KNN, K-means), SVM, Decision Trees.

Image Classifications, Object Detection, Real-time Object detection architectures such as YOLO, etc

Hands-on experience in libraries (NumPy, Pandas, Scikit-learn, OpenCV, Matplotlib Tensorflow, Keras)

EXTRA CURRICULAR ACTIVITIES

>Event Management Head - MIT CREON 2017 (Art and Literature fest, MITCOE)

>Writing(English) team head - SPANDAN Magazine 2017, MITCOE