

# Sarth Patil

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## CONTACT

G block, Raigad housing society  
Sambhaji nagar, Chinchwad,  
Maharashtra

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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.

Portfolio - <https://sarth-patil.github.io>

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

## EDUCATION

Bachelor of Engineering (Information  
technology) 2015 - 2019

University of Pune, Maharashtra

> CGPA : 8.7

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Higher Secondary Education (HSC)

Maharashtra board

Year : 2015 , Score : 84.46 %

Secondary School Certificate (SSC)

Maharashtra board

Year : 2013 , Score : 90.55 %

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## TECHNICAL SKILLS

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

**Database Management :** MySQL, MongoDB

**Web frameworks :** Django, Flask

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# 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

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.

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## 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

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