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An aspiring Data Scientist with technical expertise in SQL, R and Python programming, along with a strong foundation of Machine learning Algorithms. I seek to advance my education, so as to be able to leverage my skills, in order to work with an exigent organization and thus lead a successful career.

Education

2015/07 - 2019/06

Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu, India
Bachelor of Engineering in Computer Science Engineering
- **CGPA : 8.76 / 10 (till 6th Semester)**

2013/05 - 2015/04

Narayana Junior College, Vijayawada, Andhra Pradesh, India
Class 12th, Board of Intermediate Education, Andhra Pradesh.
- **Percentage : 94.5**

2012/04 - 2013/03

N.St.Mathew's Public School, Vijayawada, Andhra Pradesh, India
Class 10th, Central Board of Secondary Education, Delhi
- **CGPA : 9.4 /10**

Training and Certifications

Data Camp : R and Python for Data Science (Nov 2017 - present)

NPTEL : Data Science for Engineers, IIT Madras (Feb - Mar 2018)

NPTEL : Introduction to Data Analytics, IIT Madras (Jul - Sep 2017)

Udemy : Data science Boot Camp with R (Feb - July 2018)

ORACLE : PL/SQL Beginners Online Certification

NPTEL : Fundamental Algorithms - Design and Analysis , IIT Kharagpur

Programming Skills

Skill	Level
Python	▪▪▪▪▫
SQL	▪▪▪▪▫
R	▪▪▪▫▫
MATLAB	▪▪▫▫▫
Java	▪▪▫▫▫
C / C++ programming	▪▪▪▪▫

Projects

2018/02 - 2018/03

SPAM FILTERING WITH R

- The idea of the project is to use **Machine learning and R** to develop a learning model that can effectively **classify a message as spam / ham** using **naive bayes classifier** as classification algorithm. Firstly the training set is used by the model to learn and then the predictions are done on the test set. Initially the accuracy was not really satisfying,eventually after eliminating the unnecessary features by feature engineering essentially using **Natural language processing package "tm"** in R, I obtained a respectable accuracy in classifying the messages and also used R packages like **caret , e1071** on **R studio** to develop the project.

2018/07 - present

DIABETIC RETINOPATHY DETECTION USING IMAGE PROCESSING (Graphical User Interface)

- **Diabetic Retinopathy** is a disease of the retina which affects patients with **diabetes mellitus** and it is the main reason for **blindness** in them. The idea of the project is to integrate Diabetic Retinopathy detection with a **graphical user interface** similar to a chatbot, that asks the user to upload the **fundus image**, and then displays whether the user is affected with diabetic retinopathy or not. Also, if affected, the **severity** of the disease is also displayed along with the symptoms too. This interface can assist the doctor to inform further steps required for the treatment.Hence, the doctors can attend more patients that require attention. This can drastically reduce the processing time and also the **relative cost** of processing. The fundus image uploaded undergoes **preprocessing** like resizing, sub-sampling, **median filtering** etc via a **convolutional neural network.** The project is built on **Python.**

2017/03 - 2017/05

ANDROID APPLICATION DEVELOPMENT

- I have created this **android app** in **Android studio** and the **front end (U.I)** of the application is built on **XML , back end** of the application is built on **JAVA.** The application essentially takes a 1 - 9 digit number as **input from the user**, and then **sorts** the number in ascending order, and also **displays** whether the given number is **prime / perfect** number or not. Buttons are provided in the application for accessing each functionality mentioned above.

Relevant Coursework

At Sathyabama Institute of Science and Technology :- **Python programming** (SCS1619) ,**Machine Learning** (SIT1305), **Probability and Statistics** (SMT1205), **RDBMS Lab** (SCS4302), **Data Mining and Data Warehousing** (SIT1301), **Discrete Mathematics and Numerical Methods** (SMT1203), **Data Structures** (SCS1103), **Database Management System** (SCS1306)

Other Activities and Interests

Committed Tech Blogger

- Own and Manage a successful website on Wordpress, **Data Science Revolution**, where I publish posts at least once in a week. I basically give my perspective on the topics or concepts which I publish. I also share articles on the website from other sources if I really believe, it could be helpful to my followers like tutorials in R, Python, M.L techniques, Deep Learning, Reviews.

Active Member of Computer Society of India and Coding Club.

- Have been a member of **Computer society of India** since 3 years, constantly participating in workshops and orientation and have participated in a short term workshop on **Deep Learning and Computer Vision** conducted by New Tech Veda and IT department. Publicity Manager of Coding club for 2 months and collaborated with IT department to conduct a seminar for junior students on **Significance of Data Analytics for growth of Organizations** .

Numismatics , Philately , Yoga , Badminton are some other activities I love indulging in.