





Sudhanva M Athreya

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Education

Reva University

BTech Computer Science (GPA : 9.2)

2020 – 2024

Bengaluru , India

Professional Summary

CS Student who's interested in tech and math. Organized and dependable candidate successful at managing multiple priorities with a positive attitude. Willingness to take on added responsibilities to meet team goals. Ready to tackle strenuous projects by coming up with esoteric and abstruse ideas.

Experience

Tata Elxsi

NLP Intern

Jul. 2022 – Oct. 2022

Bengaluru, India

- > LMS Recommendation System - Built a recommendation system for Tata Elxsi LMS platform. The recommendations are made using NLP algorithms using user watch history data from NoSQL db and displayed in the form of ReactJS cards.
- > VideoPeek - Software which mimics Google SERP by providing timestamps for LMS courses using semantic search.

Reva University

Research Intern

Jul. 2021 – Present

Bengaluru , India

- > Revival of Sharada script (funded by DST) - Transliteration , OCR Translation of scriptures , Creation of web portal to learn Sharada.
- > Working on IoT-based Intravenous (IV) infusion therapy system

Personal Projects

Hestia

- > Hestia is an extension for your browser which allows you to search your bookmarks and bookmark folders. The extension can be downloaded from the firefox add-on store.

kailāsaḥ

- > kailāsaḥ is a website which performs Sanskrit Sandhi split. It is one of the projects done for DST , Govt. of India
- > Was presented under web-tools demo at International Seminar on "Paninian Grammar and its Applications"

DS-Checker

- > A document similarity checker which checks for plagiarism.

Big Lens

- > A google-free Google Lens opensource clone which makes use of yandex , tineye , bing and other image search services.

ImgForge

- > Collection of scripts which can be used for operations involving images.
- > Includes various image augmentation techniques such as - Geometric transformations , Color space transformations , Kernel filters , Random Erasing , Mixing images

Research Publications

Using Deep Learning Techniques to Evaluate Lung Cancer Using CT Images

> <https://doi.org/10.1007/s42979-022-01587-y>

Skills

Languages C , Python , R , C++ , JAVA , HTML , CSS , PHP , JS , x86 , bash , powershell , nodeJS , ReactJS , SQL , NoSQL , C , MATLAB

Frameworks & Tools TensorFlow , Spacy , Keras , PyTorch, Flask , pandas , haystack , docker , kubernetes , git , MS Access , Eclipse , Netbeans , MS Visual Studio , emacs , Avid Linux/BSD user (Gentoo, Arch , OpenBSD) , Jupyter , Google Colab , Firebase , AWS

Linguistic Skills

- > 1. English - Full professional proficiency
- > 2. Japanese - Limited working proficiency

Extracurricular

SIEMENS Shift healthcare hackathon finalist (2022)

- > Built a disease predicting , hospital room allocation & queuing model.

1st Place in Inter-department Reva Chess Tournament