

Russel Shawn Dsouza

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Education	National Institute of Technology , Karnataka, India <i>B.Tech in Electronics and Communications Engineering</i>	2017-2021
	Little Rock Indian School , Karnataka, India <i>K-12</i>	2004-2017
Projects	Nuclei Segmentation Segmentation of images of nuclei in kidney tissue slides to aid early diagnosis of cancer using Deep Convolutional Neural Networks(CNNs)	
	Face Detection and Recognition Implementing real time face detection and recognition using OpenCV, scikit-learn and dlib on a Raspberry Pi	
	Detecting Ponzi Schemes in Ethereum smart-contracts Using semi-supervised learning on raw bytecode of smart contracts deployed on the Ethereum blockchain mined using Google BigQuery	
	Fake News Classifier Classifying news into true, mostly true, half true, barely true, false and pants-fire to help prevent the spread of fake news using Natural Language Processing(NLP)	
	Spell Checker A spell checker written in pure C	
	Elections on Blockchain Using solidity and Microsoft Azure Blockchain workbench for secure, reliable elections deployed on the blockchain	
Computer Skills	Languages: Python, MATLAB, C, JavaScript, Verilog, L ^A T _E X Frameworks and Libraries: PyTorch, torchvision, torchtext, scikit-learn, scikit-image, OpenCV, numpy, pandas Web Development: Django, React, JavaScript, HTML, SCSS Applications: Microsoft Azure, Google BigQuery, Xilinx Vivado	
Experience	Research Intern <i>under Dr. Shyam Lal, NITK</i> Worked on segmentation of H&E stained histopathology images of kidney tissues to detect kidney cancer. Studied fundamentals of image processing, machine learning, deep learning, computer vision.	May 2019 - July 2019 Karnataka, India
	Frontend Developer <i>IRIS, NITK</i> Worked on building the frontend for the official student management portal used by more than 10 thousand people including students, faculty, administrators and alumni.	August 2018 - April 2018 Karnataka, India
	Python Developer <i>Pinnacle Media</i> Worked on implementing real-time face detection and recognition using OpenCV, dlib and scikit-learn on Raspberry Pi	May 2018 - July 2018 Karnataka, India

Interests Computer Vision, Bionics, Cybernetics, Reinforcement Learning, AR, VR