

## Russel Shawn Dsouza

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Education	<b>National Institute of Technology</b> , Karnataka, India <i>B.Tech in Electronics and Communications Engineering</i>	2017-2021
	<b>Little Rock Indian School</b> , Karnataka, India <i>K-12</i>	2004-2017
Projects	<b>Detecting Ponzi Schemes in Ethereum Smart Contracts</b> Using semi-supervised learning on raw bytecode of smart contracts deployed on the Ethereum blockchain mined using Google BigQuery  <b>Fake News Detector</b> Classifying news into true, mostly true, half true, barely true, false and pants-fire using Natural Language Processing  <b>Elections on Blockchain</b> Using solidity and Microsoft Azure Blockchain workbench for secure, reliable elections deployed on the blockchain  <b>Nuclei Segmentation</b> Segmentation of images of nuclei in kidney tissue slides to help in early diagnosis of cancer  <b>Spell Checker</b> A spell checker written in pure C	
Computer Skills	<b>Languages:</b> Python, C, JavaScript, Verilog, $\text{\LaTeX}$ <b>Frameworks and Libraries:</b> PyTorch, torchvision, torchtext, scikit-learn, scikit-image, OpenCV, numpy, pandas <b>Web Development:</b> Django, React, JavaScript, HTML, SCSS <b>Applications:</b> Microsoft Azure, Google BigQuery, Xilinx Vivado <b>Operating Systems:</b> MacOS, Linux, Windows	
Relevant Courses	Digital Signal Processing, Digital System Design, Embedded System Design, Micro-processors, Digital Electronics	
Experience	<b>Research Intern</b> <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.  <b>Frontend Developer</b> <i>IRIS, NITK</i> Worked on building the frontend for the official student management website used by more than 10k people in the college.  <b>Python Developer</b> <i>Pinnacle Media</i> Studied face detection and recognition using Scikit-learn on Raspberry Pi	May 2019 - July 2019 Karnataka, India  August 2018 - April 2018 Karnataka, India  May 2018 - July 2018 Karnataka, India
Interests	Computer Vision, Reinforcement Learning, Biomedical Signal Processing, AR, VR	