

ANIRUDH SENANI DASARI

Final Year B.Tech

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Indian Institute of
Information Technology, Nagpur

EDUCATION

Indian Institute of Information Technology, Nagpur

2017 - 2021*

B.Tech in Electronics and Communication Engineering;

High School

2017

Narayana Junior College -Kukatpally. (TS Board of Intermediate Education); (84.8%)

Secondary School

2015

St.Gabriel's High School (TS Board of Secondary Education); GPA: (9/10))

SELECTED PROJECTS

Image Generation from Text : Created a Generative Adversarial Network (GAN) to generate image capturing the features in the text description provided by transforming this description into a embedded vector using pretrained language models.

Quad-copter in disaster Management(Analog and Digital Communication) : Suppose an accident occurred like fire or building collapsed then these drones automatically deploy to the location with help of distress signal generated by the emergency alarm system in the building and then scan for any human signatures and send the data immediately to the resp fire,police stations and nearby hospitals.

Wind Speed Estimation (NNDL) : Proposed a novel hybrid model for time series prediction which uses the EWT technique to split the data according to frequency and then using a combination of CNN, LSTM and Elman Network predicted the time series.

Rock-Paper-Scissor Classifier :Constructed a model to capture data, train and predict on browser itself in real time using the Tfjs module in JS. This model is deployed successfully on the browser.

TECHNICAL SKILLS

Programming Languages: C, Matlab, Python, QSharp(basic), R, Julia, CSharp(basic), JavaScript, HTML.

Hardware Description Language: Verilog, VHDL.

Tools and Frameworks: Unity 3D, Simulink, Maya 3D, Mudbox, 3DS Max, Blender, Keil, Keras, Tensorflow, scikit-learn, Apache Spark, Rasa, AWS.

Hardware Platforms: Arduino, Raspberry Pi.

Database: MySQL.

Platforms: Linux,Windows

COURSEWORK

Academic Courses : Digital Logic Design, Microprocessors, Analog ICs, Embedded Systems, Computer Systems Architecture and Organization, VHDL, Computer Programming, Data Structures, IT Workshop, Signals and Systems, Digital Signal Processing, Analog and Digital Communication ,Wave Guides and Antenna, Electromagnetics, Data Structures and Applications,Wireless Communicaton, Cmos Design, Mathematics in Data Science, Digital Image Processing, Satellite Communication, Bio-medical Engineering, Robotics, Artificial Intelligence, Neural Networks and Deep Learning.

TRAININGS/CERTIFICATIONS

Signal, Image and Video Processing with MATLAB <i>Indian Institute of Information Technology Nagpur</i>	Sept 2018
TensorFlow for Deep Learning <i>Udacity</i>	Dec 2019
Machine Learning <i>Coursera - Stanford University</i>	Mar 2020
Deep Learning Specialization <i>Coursera - Deeplearning.ai</i>	Apr 2020
TensorFlow Data and Deployment <i>Coursera - Deeplearning.ai</i>	2020
TensorFlow Developer <i>Coursera - Deeplearning.ai</i>	2020
IBM Advanced Machine Learning Specialization <i>Coursera - IBM</i>	Jun 2020
Julia Specialization <i>JuliaAcademy.com</i>	Jun 2020
Getting Started with AWS Machine Learning <i>Coursera - AWS</i>	May 2020
Introduction to R <i>Coursera - John Hopkins University</i>	May 2020
AWS Machine Learning Foundation Course <i>Udacity - AWS</i>	May 2020
Intro to Quantum Computing in QSharp <i>Brilliant.com</i>	Dec 2019

AREAS OF INTERESTS

Machine Learning and Artificial Intelligence.

Embedded Systems and IoT.

Quantum Physics and Computing.