

G SAI YESWANTH

+91-8142817643 | sai.yeswanth.g@gmail.com | Hyderabad, Telangana

SUMMARY

I start with an Idea, do the math, lookup open source tools to build stuff, and then I build stuff.

CERTIFICATIONS

Business English Certificate (Vantage)

LINKS

[Linkedin](#) -- [github](#) -- [blog](#) -- [portfolio](#)

TECHNICAL SKILLS :

Machine Learning : python-tensorflow

Computer Vision : opencv-python/C++, numpy, scipy

Deep Learning : CNN, RNN, SSD

Reinforcement Learning : unity game engine, openAI gym

Data Mining : pandas, numpy, PyMC3

3D Modeling : blender

IOT : Raspberry Pi, Arduino

Programming Languages : C , C++, python, java

PROJECTS

Vectorizer

A simple tool to autotrace objects in images, originally intended to extract sprites from raster images.

tools and libraries : **opencv-python, streamlit**

project link : [vectorizer](#)

Optimization Using Genetic Algorithms

Implemented Particle Swarm Optimization techniques to find optimal switching parameters for an Inverter. The method yielded Industrially acceptable results with Harmonic Distortion ~ 5%

tools and libraries : Matlab

Crop Yield Prediction :

developed a model that predicts crop yields given the location and meterological data of districts in Telangana.

tools and libraries : **tensorflow-python, Apsim simulation software**

project link : [crop-yield-pred](#)

Quarantine Chess :

developed a 3d chess game with better visualizations and hints. players can only lose for strategic reasons and not by mistake.

tools and libraries : **python(server), Unity, Audacity(sound), Inkscape**

project link : [itch.io/q_chess](#)

EXTRACURRICULAR ACTIVITIES:

-- Hosted workshops for machine learning and Hardware programming.

ACADEMIC EDUCATION

Vardhaman College of Engineering

Electrical and Electronics Engineering (8.1 GPA), 2016-20

Relevant Course Work:

-- Mathematical system modeling, Linear Algebra, signals and Systems

-- Digital Signal Processing , Neural Networks and Fuzzy Logic

-- Evolutionary Computing, Control Theory and Optimization

Narayana Junior College

BIE (90.1 %) , 2013-15

Camford English High School

SSC (10 GPA) , Class of 2013