SATYA SASI
VATSAL

PYTHON/DJANGO DEVELOPER

I am a Self- motivated, Inquisitive, energetic computer science engineering student skilled in leadership, with a strong foundation in math, logic,cross-platform coding and I love to teach !!, I am looking for an opportunity to work with a team that runs on clear communication. I want to align myself with a company I believe in and where I can create positive change.I possess a sharp eye for detail, which I use to find even the smallest errors in code. I work well under pressure and can produce high-quality work in short periods of time. I have strong interpersonal skills and work with a wide variety of people. I am always looking to learn more and am open to taking on challenging projects

📞 +91-73821-17167

✉ sasivatsal7122@gmail.com

🌐 www.sasivatsal.herokuapp.com

📍 Madhavadhara,Visakhapatnam, India

EDUCATION

2015 - 2018

Secondary (X)

Dr.KKR's Gowtham international school - GPA 9.8

2018 - 2020

Senior Secondary (XII), Science

Ascent Junior College - GPA 9.3

2020 - pursuing

B-tech Computer Science and Engineering

Vignan's Institute of Information Technology
CGPA - **8.86 (upto 2-1)**

MY SKILLS

Languages
- Python, C++/C, SQL,HTML, CSS, JavaScript

Framewroks
- FastAPI, Dash, Django, Flask, Bootstrap

Python Library
- numpy, opencv, pandas, glob, requests, PIL

Data Visualization
- Plotly, Seaborn, Matplotlib

Machine/Deep Learning
- scikit learn,TensorFlow, Keras

Hosting & Cloud
- AWS, Azure, Heroku, Vercel, Streamlit Cloud

Databases
- MySQL, MongoDB

PROJECTS

CineMatrix - Movie Recommender System

TECHNOLOGIES USED : PYTHON, REACT JS, NODE JS

CineMatrix is one of its kind versatile, diversified movie recommending system which is based on not one or two but a combination five different recommending algorithms which gives at most most accurate recommendations almost instantly.
- Developed the entire Backend of the project
- Worked closely with the design team to optimise usability and implement frontend.
- Configured and deployed the app on the cloud for scalability and cost-effectiveness.

Website : https://cinematrix.subzeroo.tech/

Student Marks Analysis VIIT - Data Analysis Tool

TECHNOLOGIES USED : PYTHON, PANDAS, NUMPY, SEABORN, PLOTLY, STREAMLIT

A custom project made for VIIT under Hod guidance.
Student Marks Analysis is an interactive web app deployed in Heroku which provides an pleasing User interface. Faculty can upload the Excel file Of Mid Term Marks, Analysis is displayed on to the screen with interactive graphs.

Website : https://viitmarksanalysis.herokuapp.com/

NerdPin - An Intra college developer community

TECHNOLOGIES USED : DJANGO, URLLIB, PILLOW, GUNICORN, SQLPARSE,HTML,CSS,JS,REACTJS

Nerdpin is a Portal of communication between developers and promote collaborative work between developers and also communicate with them through a secure messaging portal. "NerdPin" is made to create a community for developers in tier - 3 colleges who have the idea but not the right skillset to implement their idea

website : https://nerdpin.herokuapp.com/

https://github.com/sasivatsal7122

https://www.instagram.com/sasivatsal/

https://twitter.com/satyasasivatsal

https://www.linkedin.com/in/sasi-vatsal-606195215/

ACHIEVEMENTS

- Lead Igniter in D2c igniters student Club in VIIT

- Lead at OWASP-VIIT STUDENT CHAPTER

- Conducted "Basics of Coding" Workshop for 150+ students

- Secured 2nd position in inter college held Web-Hackathon

- Secured 15th,18th rank among 400+ participants in intra college competitive coding

EasyGrade VIIT - Data Analysis Tool

TECHNOLOGIES USED : PYTHON, PANDAS, NUMPY, SEABORN, PLOTLY, STREAMLIT

Easy Grade is a an lightweight web app made specifically for VIIT'ians, In VIIT Semester result is given in the format of PDF which has many rows with student roll numbers and their respective Grades, EasyGrade', a minimal,lightweight, fast responsive web interface depolyed and run on heroku which take input as semester results pdf and gives you the analytics. You can send your analytics in the form of Telegram or Whatsapp meesage which can be sent to your parents.

Website : https://easygradeviit.herokuapp.com/

My Academic Record VIIT - Online Dashboard

TECHNOLOGIES USED : PYTHON, PANDAS, NUMPY, PLOTLY, STREAMLIT,PILLOW,MATPLOTLIB

My Academic Record is a Multi-Page Full Stack Responsive Web application made entirely from Python. My Academic Record is powerful web based app which serves an important purpose that is storing and tracking your academic performance and history like a digital diary or a log of you academic status. Not just recording it also provides data analytics of your performance in an Aesthetic and visually pleasing graphs. The entire application is Responsive hence can be accessed in any device ranging from a smartphone to a desktop.

Website : https://marcviit.herokuapp.com/

My Digital Diary- Online Diary Web App

TECHNOLOGIES USED : PYTHON, SQLLITE3, STREAMLIT

Digital Diary is a tool to write your diaries every day without needing to write your stuff in text files. Also it comes with great features which help you to organize your time, minimize your effort and remember your best memories audibly and visually.

Website : https://digidiary.herokuapp.com/

HandGesture-Recognition-and-Live-Translator - ML Web App

TECHNOLOGIES USED : PYTHON, NUMPY,OPENCV,PANDAS,SCIKIT_LEARN, STREAMLIT,NUMPY,AV,JOBLIB

Speech impaired people use hand signs and gestures to communicate.
Normal people face difficulty in understanding their language. "EasyTalk" is a a system which recognizes the different signs, gestures and conveys the information to the normal people. It bridges the gap between physically challenged people and normal people. "EasyTalk" works with 98.47% accuracy

Website : https://easytalk.herokuapp.com/

Your Sugar Daddy - ML Web App

TECHNOLOGIES USED : PYTHON, NUMPY,PANDAS,SCIKIT_LEARN, STREAMLIT,NUMPY,JOBLIB,PLOTLY,SEABORN

A powerful Multi Page web application which can diagnose and predict diabetic symptoms and calculates pre risk diabetic features warning the user with an Interactive user friendly UI

Website : https://yoursugardaddy.herokuapp.com/

Automated Certificate Generator - Generates E-Certificates

TECHNOLOGIES USED : PYTHON, OPEN CV, PILLOW, NUMPY

This Script Generates certificates for all the names specified in the names.txt file
User has flexibility to choose his own template for certificate, and can choose between system provided 8 Fonts or can use his own custom font.
After Certificate generation user can email the certificates to respective participants.

Website : https://github.com/sasivatsal7122/Automated-certificate-generator-using-pillow-cv2
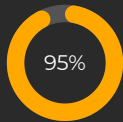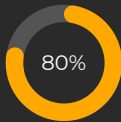
RapidKode - Python Competative Programming package

TECHNOLOGIES USED : PYTHON

RapidKode is a Python package that provides fast, flexible, and expressive data structures,alogorithms designed to make working with both competitive programming and coding easy and intuitive. It aims to be the fundamental high-level building block for competitive programming in Python.With RapidKode you can perform complex algorithms in less time, all the algorithms are optimized to their finest to reduce time complexity to make you stand out in the leader board.

Website : https://pypi.org/project/rapidkode/

Ckrett - Python encryption-decryption package

TECHNOLOGIES USED : PYTHON

Ckrett is a Python package that encrypts and decrypts user given input. With Ckrett consists of 6 functions which are used to encode and decode user given string

Website : https://pypi.org/project/ckrett/

CineMatrixxx Bot - Telegram Bot

TECHNOLOGIES USED : PYTHON,pyTelegramBotAPI,REQUESTS

CineMatrixxx Bot is a telegram bot which is used to download movies with few simple steps, this bot gives a torrent file for user requested movie for desired quality

Open Bot : https://t.me/CineMatrixxx_bot

NPD_CheatSheet - numpy-pandas cheatsheet

TECHNOLOGIES USED : PYTHON,STREAMLIT

CNPD_CheatSheet is a web application which contains all important functions of numpy and pandas with examples, this cheatsheet is very useful for revision or even for learning numpy-pandas. Cheatsheet is responsive and can be opened in both mobile and laptop

Website : https://npdcheatsheet.herokuapp.com/

Know The Weather - GUI weather app

TECHNOLOGIES USED : PYTHON,TKINTER,IO,OPENCV,URLLIB

"know The Weather" is a GUI app made using Tkinter which looks good, minimal and easy to use. Using "know The Weather" you can weather information of any city in the world with just click of a button

Website : https://github.com/sasivatsal7122/Weather-API-GUI-Tkinter

Animedoro Timer - GUI Pomodoro app

TECHNOLOGIES USED : PYTHON,TKINTER,MATH,OPENCV,PYGAME

"Animedoro Timer" is a simple pomodoro timer made using python Tkinter, special feature of animedoro timer is it gives user streak for every successful pomodoro cycle. Alarm rings when it's time for break and beginning for new pomodoro cycle.

Website : https://github.com/sasivatsal7122/AnimedoroTimer-Tkinter

Learn OOP with us - Website

TECHNOLOGIES USED : HTML,CSS

"Learn OOP with us" is a website which consists of brief notes on python OOP concepts. Website has two modes Focus and Normal mode

Website : https://sasivatsal7122.github.io/Learn-Object_Oriented_programming-with-us/focus_mode/indexf.html