

Satya Sasi Vatsal

PYTHON/DJANGO DEVELOPER

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"Programming is not just about writing code, it's about designing systems that make people's lives better"

Summary

As a computer science engineering student, I embody qualities of self-motivation, inquisitiveness, and energy that drive me to excel in my field. With a solid foundation in mathematics, logic, and cross-platform coding, I am equipped with the technical skills to tackle complex challenges in software development. My keen attention to detail is a hallmark of my work ethic and allows me to identify even the most minor errors in code. Additionally, my ability to perform under pressure and produce high-quality work within tight deadlines makes me a valuable asset in any project team. I am a team player and possess exceptional interpersonal skills, enabling me to effectively collaborate with individuals from diverse backgrounds. I am always eager to learn and take on challenging projects, and I remain open to exploring new technologies and approaches to enhance my knowledge and skills. In pursuit of personal and professional growth, I seek a challenging role within a reputable organization where I can leverage my expertise and contribute to the company's growth. I am confident that I can make a meaningful impact and exceed expectations as I strive towards excellence in all aspects of my work.

Education

Vignan's Institue of Information Technology

BACHELOR OF TECHNOLOGY -ARTIFICIAL INTELLIGENCE AND DATA SCIENCE; CGPA: 8.728

Duwwada, Visakhapatnam

Jan. 2020 - April. 2024

Ascent Junior College

MATHS-PHYSICS-CHEMISTRY; CGPA: 9.3

Ram Nagar, Visakhapatnam

Jan. 2018 - April. 2020

Dr.KKR's Gowtham Internation School

STATE BOARD - ANDHRA PRADESH; GPA: 9.8

LB Colony, Visakhapatnam

Jan. 2015 - April. 2018

Skills

Languages : Python, PHP, C,C++, JavaScript, SQL, Bash, JAVA

Frameworks : Pandas, Numpy, Scikit, NLTK, TensorFlow, Keras, Django, Flask, FastAPI, Selenium

Tools : Kubernetes, Docker, GIT, PostgreSQL, MySQL, SQLite, MongoDB, VS Code, Github

Platforms : Linux, Web, Windows, Arduino, Raspberry, AWS, Streamlit Cloud, Vercel, Heroku, Replit

Soft Skills : Leadership, Event Management, Writing, Public Speaking, Time Management, Planning and Organizing

Work Experience

Aarav Softwares Pvt.ltd

PYTHON BOT DEVELOPER

Visakhapatnam, India

April,2023 - Present

As a Bot Development Intern for Website Automation at Aarav Softwares, I have been actively involved in revolutionizing the way we optimize SEO and enhance our online presence. Leveraging my skills in Python programming and automation technologies, I have successfully developed and implemented bots to automate various tasks, including link submissions for SEO optimization. Additionally, I have created an advanced Click-Through Rate (CTR) bot that operates seamlessly across Google, Bing, and YouTube platforms.Utilized Python programming to develop and maintain bots that automate tasks related to SEO optimization, specifically in the area of link submissions.Designed and implemented a highly sophisticated CTR bot capable of enhancing search engine rankings and boosting organic traffic across Google, Bing, and YouTube.

ZENCHI SOFTWARES (OPC) PRIVATE LIMITED

PYTHON BACKEND DEVELOPER

Visakhapatnam, India

April,2023 - Present

As a Python Developer intern at ZENCHI SOFTWARES (OPC) PRIVATE LIMITED, I am responsible for a wide range of tasks, including optimizing Python scripts, implementing web scraping with Selenium and fast API, managing Python servers, and handling all the backend operations for the Cookiezen website, which is one of the company's major projects.I have given charge of the backend operations of the Cookiezen website, ensuring its smooth functioning and optimal performance. This includes developing and maintaining the functionality that allows Cookiezen to automatically scan and categorize website cookies. By leveraging my Python programming skills, I have implemented efficient algorithms and data processing techniques to accurately scan and categorize cookies based on their purpose and category. This involves setting up scheduled scans, integrating with external services to retrieve regulatory information, and implementing automated processes to ensure regular and up-to-date scans are performed on websites.

As a Python Developer and Tech Support Intern at Edge-Forex (a Spain-based fintech startup under Nuvogen Innovations Limited), I was responsible for using Selenium and Python to automate digital marketing efforts on social media platforms, such as Twitter and Instagram. Over the span of 7 months, I successfully completed 50+ projects related to automated digital marketing, including scraping data from social media, processing the data, and automating the promotion process. Successfully reduced the time spent on manual digital marketing tasks by 70% through automation. Generated a 20% increase in website traffic and a 15% increase in conversion rates through targeted Twitter campaigns. Developed a reputation management system for the company, resulting in a 30% reduction in negative mentions on social media. My experience as an intern has honed my skills in Python programming, data processing, and digital marketing automation.

Volunteer Experience

OWASP-VIIT Student Chapter

CHIEF SECRETARY

VIIT, Duwada

Aug. 2022 - present

- Conducted online and offline technical and soft-skills training impacting over 250+ students.

Unstop Igniter Club

LEAD IGNITER

VIIT, Duwada

Feb. 2022 - present

- Organized events, conducted workshops and delivered workshops reaching over 250+ students.

Licenses and certifications

Oct. 2022	The Complete Data Structures and Algorithms Course in Python, Credential ID: UC-f1af8e87-d5f4-49ac-875d-a0b82fea464d	UDEMY
Oct. 2022	Learn Python for Data Science and Machine Learning from A-Z, Credential ID: UC-94b3b430-8030-4a19-8c6b-511161128b10	UDEMY
June. 2022	HTML5 - From Basics to Advanced level, Credential ID: UC-2b04c718-ea6d-43ab-a2bb-bb7b3a9bd381	UDEMY
May. 2022	Python - A Beginners guide towards Python Programming, Credential ID: UC-ab2a9c7b-24b5-425f-bd90-5c775c1d7890	UDEMY
May. 2022	Python, Flask Framework And Django Course For Beginners, Credential ID: UC-7cd6a3bb-5940-4eb7-88c8-e3bd4bd6fddc	UDEMY

Projects

NerdPin - An Intra college developer community

DJANGO WEB-APP

- 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 skill set to implement their idea TECH :DJANGO, URLLIB, PILLOW, GUNICORN, SQLPARSE, HTML, CSS, JS, REACTJS

Student Marks Analysis VIIT

DATA ANALYSIS TOOL (WEB-APP)

- custom project made for VIIT . 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 .Tech: PYTHON, PANDAS, NUMPY, SEABORN, PLOTLY, STREAMLIT

EasyGrade VIIT

DATA ANALYSIS TOOL (WEB-APP)

- Easy Grade is a a lightweight web app, EasyGrade, is a minimal, lightweight, fast responsive web interface deployed 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 message which can be sent to your parents. Tech: Python, PYTHON, PANDAS, NUMPY, SEABORN, PLOTLY, STREAMLIT

My Academic Record VIIT

DATA ANALYSIS TOOL (WEB-APP)

- 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 log of you academic status. Not just recording it also provides data analytics it is Responsive hence can be accessed in any device ranging from a smartphone to a desktop. Tech: PYTHON, PANDAS, NUMPY, PLOTLY, STREAMLIT, PILLOW, MATPLOTLIB

Hand Gesture-Recognition-and-Live-Translator

MACHINE LEARNING WEB APP

- Speech impaired people use hand signs and gestures to communicate. Normal people face difficulty in understanding their language. "EasyTalk" is 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. TECH : PYTHON, NUMPY, OPENCV, PANDAS, SCIKIT LEARN, STREAMLIT, NUMPY, AV, JOBLIB

Your Sugar Daddy

MACHINE LEARNING WEB APP

- 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. TECH : PYTHON, NUMPY, OPENCV, PANDAS, SCIKIT LEARN, STREAMLIT, NUMPY, AV, JOBLIB

Credit Card Approval System

MACHINE LEARNING WEB APP

- Credit Card Approval System is a machine learning model trained on the UCI "Credit Approval Data Set" which can predict whether a credit card is approved or rejected based on the parameters given by the user. TECH : PYTHON, NUMPY, PANDAS, SCIKIT LEARN, SciPy

BULK EMAILER

WEB APP

- Bulk Emailer" is a feature-rich project developed using Python and Streamlit that offers a sleek and intuitive way to send bulk emails. This tool allows for customization of the email body through the use of custom HTML and the ability to attach files to the emails being sent. The user-friendly interface, powered by Streamlit, provides an easy-to-use web application that can be used on both mobile and desktop devices, making it accessible from anywhere, at any time. With its integration of the SMTP protocol, this tool offers a convenient and efficient way to reach large groups of people in a timely manner. TECH :panda, Pillow, python-dotenv, pyxlsb, streamlit, streamlit_authenticator, openpyxl

RapidCode

PYTHON PACKAGE

- RapidCode is a Python package that provides fast, flexible, and expressive data structures, algorithms 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 RapidCode 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. TECH : PYTHON

Ckrett

PYTHON PACKAGE

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

CineMatrixxx Bot

TELEGRAM BOT

- 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. TECH : PYTHON, pyTelegramBotAPI, REQUESTS

TreeHouse-CSBlog-Scraper

WEB SCRAPER BOT

- Scrapes specified Blogs or all blogs in a page/multiple pages from a website called TreeHouse Blogs and converts them into video files with a voice over all with a single click run. TECH : PYTHON, pytsx3, REQUESTS, BeautifulSoup4

Automated-certificate-generator

CERTIFICATE-GENERATOR TOOL

- Automated Certificate Generator" is a cutting-edge project developed using Python, OpenCV, and Pillow. This project harnesses the power of computer vision and automation to generate any number of E-certificates in a fraction of the time it would take manually. TECH : PYTHON, OpenCV, Pillow

Achievements

- Conducted "Basics of Coding" Workshop for 150+ students.
- Conducted live workshop on Github for 60+ students.
- Planned, Managed and Organized CSE(AiDs) dept. grand cultural event Euphoria
- Was selected among 25 out of 1500 students to visit annual CII Summit
- Secured 15th, 18th rank among 400+ participants in intra college competitive coding
- Selected and appointed as lead igniter at Unstop Igniters Club
- Selected as Chapter Leader for OWASP VIIT student chapter
- Developed and Deployed two python packages in Python Packaging Index
- Contributed in smooth conduction of various technical and non technical events as part of unstop igniters club and owasp student chapter
- Planned, Managed and Organized App-Design competition and Drone Competition as part of Vista 2k22, a 2-Day Technical fest
- Contributed my part as Lead Administrator in Vista 2k22, a 2-Day Technical fest and was awarded memento for the efforts by the Principal

Honors & Awards

2022 **2nd Place**, APP Design Competition conducted by Vista 2k22 Technical Fest
2021 **2nd Place**, Web-hack conducted by Vignan's IIT ACM STUDENT CHAPTER

VIIIT, Duvvada
VIIIT, Duvvada