Satya Nivas Bezawada

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SUMMARY

I worked as a Junior Analyst at the National Remote Sensing Centre (ISRO), where I honed my skills as a self-driven, diligent worker with a passion for both individual and team-based projects. I thrive on exploring new technologies, learning continuously, and building meaningful connections. With a strong interest in software development, I am seeking a position that will allow me to leverage my expertise to contribute to the company's growth and advance my professional career.

EDUCATION

Swarna Bharathi Institute of Science and Technology Khammam, Telangana
Computer Science Engineering *2018 - 2022*

Sri Chaitanya Junior College Khammam, Telangana
PMC *2016 - 2018*

EXPERIENCE

Junior Analyst August-2023 - March-2024
National Remote Sensing Centre-ISRO *Hyderabad, Telangana*

- Worked for MahaAGRITECH project by NRSC-ISRO and MRSAC for Department of Agriculture, Government of Maharashtra, under the guidance of Dr. Anima Biswal (Scientist-F).
- Developed a machine learning model for wheat crop classification.
- Contributing to the Development of Geo-portal and dashboard, structuring data that aid decision support in agriculture management of Maharashtra.
- Geospatial raster and vector data visualization using R programming and Python.
- Raster calculation, Weather data processing, Image analysis and vector data handling using Python and tools like ArcMap, QGIS
- Generating the data in excel format from different geospatial data files. Applied creative problem-solving techniques to develop innovative solutions.
- Worked with Cloud platforms like Google earth engine to handle Satellite Images

College Intern December 2020
Swarna Bharathi Institute of Science and Technology *Khammam, Telangana*

- Involved in the development of college's Training and Placements website. Engaged in back-end development
- Granting students access to the edit page so they can amend their information.
- Responsible for figuring up the faculty members' average grades based on their instruction.

SKILLS

Tech Stack : Python, Java, R, JavaScript, SQL, PHP, HTML, CSS, React, Flask, Django, Numpy, Pandas, Keras, TensorFlow, OpenCV, Rasterio, Natural Language Processing(NLP), MySQL, MongoDB, AWS, Google Earth Engine, Machine Learning, Full Stack Development, Remote Sensing.

Soft skills: Problem solving, Creative, Attention to detail, Self learning, Time Management, Quick learner.

PROJECTS

Environmental Zones Classification

- Developed and implemented a deep learning model to classify satellite images into distinct categories. The project aimed to demonstrate proficiency in deep learning techniques and their application in remote sensing.
- Designed and constructed a deep CNN architecture tailored for image classification tasks, leveraging layers such as convolution, pooling, used data augmentation techniques.
- This model was developed using Python, Pandas, Keras.

Retail Q&A tool
- Designed and implemented an intelligent Q&A tool for the clothing store to improve customer service by providing accurate and timely responses to customer inquiries.
- This application is developed using Python, GooglePalm, Langchain, Huggingface, Streamlit, ChromaDB, MySQL.

House Price Prediction App
- A machine learning model, that predicts the house prices of Bengaluru city. This model was developed using simple Linear Regression.
- This application was developed using Python, Flask and deployed the model to AWS
- URL: ec2-18-212-54-18.compute-1.amazonaws.com

Social Community Website
- A website that enables the user to create groups, add a post in the group and create content.
- Other users who are interested in a group can join the community as a member, can view the posts available in that group. This app facilitates users to shift the groups.
- This application was developed using Python, Django, HTML, CSS, JavaScript.

Books Store
- An app that enables the user to manipulate their book collection. It also displays the book collection and a brief description about the book .
- This application was developed using MERN(MongoDB, Express.js, React.js, Node.js) stack .

Covid Info App
- An interface that gives data on the global COVID case count
- Provides information of every country's COVID data and updates the information on a regular basis
- This application was developed using Java 17, Spring Boot, Thymeleaf.

News Notes
- A note taking focused news portal that enables users to ping and maintain a customized news pad.
- User can save the important news titles and content and can download the saved information as a pdf.
- This application was developed using HTML, CSS, JavaScript, php and SQL.

ACHIEVEMENTS

Worked at National Remote Sensing Centre, dealing with geospatial data and satellite images, learning about remote sensing in short span which was completely new to me.

Developed a geospatial tool that can preprocess and extract useful information from raw weather files, useful for efficient functioning for MahaAGRITECH project.

Appreciation for the involvement in the development of college's Training and Placements Website

First place in college painting competition during my freshman year

CERTIFICATIONS

Java Programming MasterClass
Certificate of Completion by Udemy

Python and Django Full Stack Web Developer Bootcamp
Certificate of Completion by Udemy

LANGUAGES

- **English** (Professional Working Proficiency)

- **Hindi** (Professional Working Proficiency)

- **Telugu** (Native or Bilingual Proficiency)

PERSONAL TRAITS

Painting
Cooking
Upcycling
Yoga