Harshitha Vemulapalli

Student

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Dependable and organized data science student with a positive attitude. Skilled multitasker with strong work ethic, problem-solving, and teamwork abilities. Willing to take on added responsibilities to meet team goals. Dedicated team player with a resourceful and hardworking approach, eager to contribute to the success of the team as a data analyst.

Skills

Python| R| SQL| NoSQL| HTML| CSS| Bootstrap| Orange tool with ML concepts| Microsoft Excel| Data Visualization| Data Preprocessing| Content writing| Teamwork| Agile Methodologies

Professional Experience

2022-07 - 2022-09

Intern

Vanalytics, Hyderabad

- Conducted research, compiled data, updated spreadsheets, and produced timely and accurate reports, supporting decision-making processes and informing senior staff.

2023-06 - 2023-08

Intern

Anantadi, Pune

- Collaborated on a 6-week internship project focused on computer vision and object detection.
- Key activities included instance segmentation, object detection, and object tracking using the Detectron2 framework.
- Conducted research on advanced techniques and algorithms for improving detection and tracking accuracy.
- Demonstrated proficiency in computer vision, contributing to a robust object detection and tracking system

Education

2021-08 - Current

Bachelor of Science: Data Science

Christ University - Lavasa, Pune
Member of Student Welfare Office (SWO)
Member of Center for Social Action (CSA)
Member of the Data Science Association (DSA)
Member of University Choir
Received an extracurricular excellence scholarship
Professional development completed in Environmental studies
Senior content writer for Blueprint Department magazine.
Participated in an external tech fest conducted by Kristu Jayanti College, Bangalore.
Author of analysis of financial statements using Python in Medium.

2016-06 - 2021-03

High School Diploma

Vikas The Concept School - Hyderabad, India
Awarded an overall excellence award for securing a 9.4/10 GPA and pro-active participation in extracurricular activities.
Elected as a part of the prefectorial council.

Certifications

2023-01 [Using MongoDB with Python], [MongoDB University]

Projects

Stock Performance Analysis and Visualization

- Developed a program to analyze daily stock performance, calculate returns, and generate visualizations using historical price data.
- Provided valuable insights for data-driven decision-making and evaluation of stock performance.

Life Expectancy Prediction Website: Analytical Analysis and Model Evaluation | Hackverse'23

- Developed a Flask-based website for predicting life expectancy, evaluating ML models, and preparing an EDA report.
- Gained insights into factors influencing life expectancy and showcased analytical analysis skills.

Analysis of Trade Patterns among Top GDP Countries for Economic Growth Strategies

- Analyzed trade patterns of top GDP countries to identify economic growth strategies.
- Utilized Python for data analysis, emphasized EDA significance, and presented findings on a webpage.

Departmental Events Registration Website

- Created a Django-based website for departmental event registration, allowing participants to interact with professors. Demonstrated full-stack web development skills using HTML, CSS, Python, and Bootstrap.
- Enabled participants to register for events and engage with professors for event-related inquiries on the website accessible at http://zavion.in/.

Contact List Management System: Full-Stack Web Development

- Designed a full-stack web application for managing contacts using HTML, Bootstrap, CSS, Flask, and MongoDB.
- Implemented features for adding, editing, and deleting contacts, ensuring seamless user experience and data persistence.

3-D Virtual AD placement: Computer Vision and Object Detection

- Implemented instance segmentation and object detection using the Detectron2 framework.
- Developed a multi-week pipeline for various detection tasks and conducted research on advanced techniques.
- Researched and implemented object tracking algorithms, including GOTURN, NORFAIR, and SiamMask.
- Investigated scene segmentation and explored alternative tracking methods like Mocha Pro.
- Successfully contributed to a robust object detection and tracking system and documented the project.