HARSHALI S. HOOD

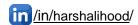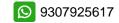harshalihood@gmail.com | /in/harshalihood/ | /harshali-2001 | HarshaliPortfolio | 9307925617

SKILLS

Programming: Python, C, C++
Data Analysis & Visualization: SQL, Tableau, Power BI, Snowflake, Pandas, Matplotlib, Seaborn
Relevant coursework: Object Oriented Programming, Data Structures & Algorithms, DBMS
Soft Skills: Research, Analytical thinking, Patience, Motivated

EXPERIENCE

Research Data Analyst Intern   Sep 2022- May2023
India Meteorological Department, Delhi
- Aim to predict Weather using radar files
- Analyzed the radar images and extracted data for radar elements like Reflectivity, Velocity, Power, Spectrum Width.
- Extracted data contain the Mode value from every element of single radar file matrix using Py-Art.
- Developed Website using Django and give the excel file contain data of 552 radar files.
- Cleaned the data set using Pandas and Visualized using seaborn and matplotlib.
- Implemented linear regression model and found correlation between reflectivity and power.
- Implemented LSTM model and calculated RMSE of reflectivity 1.27 and RMSE of velocity 1.68.

Data Analyst Intern   Nov 2021- Jun 2022
Regional Meteorological Department, Nagpur
- Converted the radar files from the satellite into Jpg images using python
- Developed backend for the batch conversion of 552 files using Django and python.
- Implemented website using HTML/CSS and created Interactive interface to easy conversion of images

PROJECTS

IBM HR Dashboard [Tableau | MS-Excel]   source-code
- Cleaned and Prepared data for final evaluation using Ms-Excel.
- Created Tableau desktop, displaying the average Age of employes, gender and Monthly income by departments.

Sales Insights – Brick & motor business [Power BI | SQL]   source-code
- Designed a Power BI dashboard to understand AtliQ hardware goods sales trend.
- The final dashboard was effective at displaying the sales trend of AtliQ hardware, allowing users to understand the data and make informed decisions.
- This dashboard could help in increasing the revenue at least by 7% in the next quarter

Image Conversion Using OpenCV [Python , OpenCV]
- Developed a program to apply filter on image like pencil Scheck, Black & white, Blur using OpenCv and Python.

EDA – Unicorn Startup Companies [Python, Pandas, Matplotlib]   source-code
- Data Preparation and cleaning- This includes removing null values and preparing the data for final evaluation.
- Insights like to find the most companies found in certain year, Industry having maximum status.

EDUCATION

Bachelor of Engineering, Computer Engineering   Sep 2019 – May 2023
St. Vincent Palloti College of Engineering, Nagpur University | Nagpur, India   CGPA: 7.5/10

Higher Secondary School (Class 12th)   July 2016 - Feb 2018
Dharmaraj Jr. Science College, Kanhan Nagpur, MH   Percentage: 85.38%

Secondary School Certificate(Class 10th)   March 2016
Dharmaraj High School, Kanhan Nagpur, MH   Percentage: 92.60%

CERTIFICATES

- Professional Data Analyst oracle cloud certification [Oracle]]   Jun 2023 – Present
- Power BI [Code Basics]   Sep 2023
- Fundamentals of Excel [IBM]   July 2023
- Python Basic for Data Science [Coursera]   Aug 2021

LANGUAGE

Marathi | English | Hindi