

UPPARA UDAY SAGAR

+91 9951558909 | udaysagar0307@gmail.com | Hyderabad, Telangana |

<https://www.linkedin.com/in/upparaudaysagar> | <https://github.com/UdaySagar03> |

<https://udaysagar03.github.io/MyPortfolio/>

CAREER SUMMARY

Data Analyst undergraduate (CSE – Data Science) with hands-on experience building end-to-end analytics pipelines, SQL-backed dashboards, and interactive reporting tools using Python, Power BI, and Streamlit. Delivered projects analyzing 400K+ Indian workforce records and real-time government AQI data across 25+ states with measurable, insight-driven outcomes. Completed an internship at INCOIS (Indian National Centre for Ocean Information Services) worked on backend data processing and geospatial data in Python, SQL.

TECHNICAL SKILLS

Programming Languages: Python, SQL

Data Analytics: Data Cleaning, Exploratory Data Analysis (EDA), Data Visualization, KPI Analysis, Statistical Analysis, ETL, Data Transformation.

Libraries & Frameworks: Pandas, NumPy, Matplotlib, Seaborn, Plotly.

Tools & Databases: Power BI (DAX), Tableau, SQLite, MySQL, Git, Jupyter Notebook, Excel (Pivot Tables, VLOOKUP)

PROFESSIONAL EXPERIENCE

SUMMER INTERN | INCOIS – INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES | HYDERABAD, TELANGANA |
2025 **APR 2025 – JUNE**

- Built and shifted frontend data processing modules to backend in Python and Django for the Search and Rescue Aid Tool (SARAT), reducing average API response time by 27% measured across 500+ load test requests.
- Processed and validated geospatial and structured data supporting real-time search and rescue decision-making across Indian coastal zones.
- Redesigned 3 data reporting components in Python, improving information clarity and reducing analyst time-to-insight on operational dashboards.
- Automated data validation workflows for daily ingestion pipelines, replacing manual QA checks on structured dataset processing.

Tech: Python, SQL, Django, MySQL, ETL, Data Visualization, Backend Optimization

EDUCATION

BACHELOR'S DEGREE | CSE-DS | Vignana Bharathi Institute of Technology | CGPA: - 7.34

2022 - 2026

INTERMEDIATE | MPC | Narayana Junior College | Percentage: - 90%

2020 - 2022

PROJECTS

India Air Quality Intelligence Dashboard | Python, SQLite, SQL, Plotly, Streamlit | [GitHub](#) | [Live App](#)

- Built an end-to-end pipeline ingesting real-time AQI records across 25+ Indian states and 180+ cities from data.gov.in API, with SQL window functions (RANK, PARTITION BY), CTEs, and CASE WHEN to classify cities as Safe or Breach against CPCB thresholds.
- Delivered pollutant-level analysis (NO2, SO2, CO, NH3, OZONE), state rankings, and geographic hotspot views across monitoring stations.
- Deployed an interactive Streamlit dashboard with tabbed navigation, dynamic filters, KPI cards, and Plotly charts.

e-Shram Workforce Analytics Dashboard | Power BI, DAX, SQL, ETL, Excel | [GitHub](#)

- Built a multi-view Power BI dashboard analyzing 400K+ e-Shram registered workers across gender, age, occupation, and education dimensions using SQL-based ETL transformation and DAX measures.
- Identified that the Apparel sector employs the highest female workforce (70K vs 6K male), while Construction and Automobile sectors are male-dominated — surfaced via cross-filtered occupation-gender breakdown charts.
- Designed 4 KPI cards tracking Total (400K), Male (199K), Female (201K), and Disabled (1,633) workforce count with dynamic slicers enabling real-time cross-filtering across all visuals.

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified Data Science Professional — Oracle
- NPTEL – Data Science for Engineers