TANMAY MELANTA

SPATIAL DATA SPECIALIST

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SUMMARY OF EXPERIENCE

- Results-driven Data Analyst with expertise in ESG projects within the shipping industry. Proficient in data collection, statistical analysis, scripting, SQL querying, and visualization. Demonstrated leadership in guiding college interns in coding projects. Former Spatial Data Specialist and Database Engineer with strong skills in AWS, Athena queries, dashboard creation, and issue resolution.

SKILLS

- **Programming Language:** Python, SQL, SAS, R
- **IDE:** Pycharm, Jupyter, Colaboratory, SAS Studio, R Studio
- **Front End Development:** HTML, CSS, JavaScript
- **Data Visualization:** Tableau, Power BI, Matplotlib, Google Data Studio, Seaborn
- **Statistics:** Hypothesis Testing, Regression Analysis, Predictive Analysis
- **Deploy:** AWS
- **Advance Excel:** Filter & Sort Data, Data Validation, Conditional Formatting, Charts, Pivot table, What-If Analysis, Analysis ToolPak, Language Translation, Power Query, VBA Macros
- **Other Skills:** MS PowerPoint

PROFESSIONAL EXPERIENCE

ANGLO EASTERN SHIP MANAGEMENT

📍 Navi Mumbai, India

DATA ANALYST

📅 Mar 2023 – Till Now

Project: ESG - Environmental Social Governance   **Role(s):** Data Analyst

Technologies: SQL, Python, Advance Excel, Macros, Power BI, MS Power Automate

Responsibilities:

- Spearheaded the comprehensive collection and analysis of office emissions data from diverse global locations, ensuring accurate reporting and insights for sustainability initiatives.
- Utilize statistical techniques such as z-tests, t-tests, and others to calculate CO_2 emissions in cases of missing data, ensuring data completeness and accuracy.
- Developed Automated flow of Extracting Attachments from Outlook folder.
- Developed efficient macros code and Python scripts to automate data extraction from various Excel files, streamlining processes and improving productivity.
- Engineer Python scripts to measure the time spent by ship in special areas like MARPOL and PSSA, providing valuable insights into compliance and environmental impact.
- Run SQL queries to extract and manipulate data from databases, enabling comprehensive analysis and reporting for stakeholders.
- Create visually compelling ESG Dashboard & Commercial Dashboard in Power BI, showcasing key environmental metrics and trends to support informed decision-making.
- Led and guided a college internship project, overseeing coding work and ensuring deliverables aligned with organizational requirements.

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HERE TECHNOLOGIES

📍 Navi Mumbai, India

SPATIAL DATA SPECIALIST I

📅 Oct 2021 – Mar 2023

Project: DBE PLACES   **Role(s):** Database Engineer

Technologies: SQL, AWS, Python, Advance Excel, JIRA, Confluence, Power BI

Responsibilities:

- Extract and Generate Reports required for Product Delivery.

- Assign tasks within the team for timely delivery of products.
- Working on Data environment tools like AWS for analysis purpose.
- Pulling records for analysis of different catalog using SQL queries.
- Perform quality checks on data based on Hypothesis Testing before it goes live on Maps.
- Determine root cause of data quality errors and discuss with the same with managers via JIRA, mails and meetings.
- Resolving JIRA and editing map data for project blocker issues.
- Providing project specific training and mentoring to newly joined members.
- Maintain compliance with database specifications and project requirements.
- Create and Maintain Dashboard related to product and KPI metrics.

Project: POI NAC   **Role(s):** Data Specialist
Technologies: Advance Excel, Atlas, MapCreator
Responsibilities:

- Skill Development on proprietary tools, using source material to apply basic navigation attributes.
- Code & edit map data using inhouse tool – Atlas & MapCreator.
- Allocate task to team members.
- Organize Scrum Calls and create Minutes of Meeting.
- Process improvement through integrating best practices.
- Perform quality checks on data based on Statistics test.
- Attending calls and collaborate with Other Production Centers.

ACCOMPLISHMENT

- Awarded Operational Excellence for Process Improvement.
- LinkedIn Certificate for
- LinkedIn Certificate for **Statistics Foundations**.
- LinkedIn Certificate for**Data Analytics for Business Professionals**.
- LinkedIn Certificate for **Python for Data Science Essential Training**.
- LinkedIn Certificate for **Become a Data Analyst**.
- LinkedIn Certificate for **Become a SQL Developer**.
- NCC C-Certificate with A grade

EDUCATION

MASTER OF SCIENCE (PHYSICS), UNIVERSITY OF MUMBAI	
University Department of Physics	📅 2021

BACHELOR OF SCIENCE (PHYSICS), UNIVERSITY OF MUMBAI	
SIES College of Arts, Science & Commerce	📅 2019

HSC, MAHARASHTRA STATE BOARD	
S.M. Shetty High School & Junior College	📅 2016

SSC, MAHARASHTRA STATE BOARD	
Navodaya English High School	📅 2014

PERSONAL DETAILS

- **Address:** Room No. 10, Shivam Building, Kisan Nagar 2, Wagle Estate, Thane.
- **Date of Birth:** 29th September 1998
- **Sex:** Male
- **Marital Status:** Single

- **Nationality:** Indian
- **Hobbies:** Swimming, Playing Volleyball, Running Marathons, Playing Chess
- **Languages:** English, Hindi, Marathi, Tulu