Tuhin Das

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SUMMARY

Data and Project Management professional with cumulative experience of over 7 years in research, strategy development and business intelligence.

EDUCATION

Liverpool John Moores University, Liverpool   **Feb 2022 - Dec 2022**
Master of Science – Data Science, Grade: 73% (with distinction)

International Institute of Information Technology, Bangalore   **Oct 2020 – Nov 2021**
PGD in Data Science (Specialization in Business Analytics), CGPA: 3.63/4

Manav Rachna International University, Faridabad   **Mar 2011- Jul 2015**
Bachelor of Technology – Mechanical Engineering, CGPA: 7.25/10

SKILLS SUMMARY

- **Languages**: Python, SQL
- **Frameworks (Libraries)**: Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, GeoPandas, Selenium (For Web Scrapping)
- **Tools**: Power BI, Excel, MySQL, PowerPoint
- **Platforms**: Jupyter Notebook, PyCharm, GitHub
- **Soft Skills:** Excellent Communication, People Management, Process Improvement
- **Relevant Coursework:** Statistics, Data Analysis and Visualization, ML Algorithms, Time Series Forecasting, Monte Carlo Simulations

EXPERIENCE

Ascension Centre for Research and Analytics
Manager – Analytics   **Mar 2024 – Jan 2025**
- Developed and implemented Monte Carlo simulations for a novel health study by modeling complex health parameters, utilizing a range of probability distributions to account for uncertainty and variability.
- Developed SOPs and detailed process documentation to streamline projects and daily activities, increasing productivity.

Analyst   **Dec 2022 – Feb 2024**
- **Programming and Data Automation:** Developed Python scripts to clean and organize datasets for improved analysis and reporting. Utilized web scrapping tools, including Selenium and BeautifulSoup, to extract data from secondary open-source platforms, including government and private data sources to automate manual effort thereby increasing efficiency
- **Research:** Conducted data analysis and used unsupervised machine learning algorithms to generate comprehensive reports for the automobile & aviation sectors.

- **Surveys:** Conducted training sessions for investigators on collecting primary data using CAPI for face-to-face surveys.
- **Lead Conversion:** Developed and implemented effective communication strategies to onboard esteemed B-Schools as active participants in a B-School ranking project for a Washington-based MNC resulting in 11% increased participation in 2023 and 31% increased participation in 2024

Chrysalis Services Private Limited
Senior Research Associate   **Jan 2020 – Aug 2020**
- Streamlined research processes for evaluating corporate organizations' CSR goals and the Social/NPO sector's vision. Created weekly activity reports for various clients, tracking progress toward their goals.
- Identified business problems and pain points and provided strategic recommendations to clients. Collaborated with stakeholders to develop and implement workflows, marketing campaigns and process improvements.
- Acted as a liaison between clients and stakeholders, facilitating communication and ensuring that goals were met efficiently and effectively.

GS Photon Energy Private Limited
Research Analyst   **Feb 2018 – Nov 2019**

- Spearheaded a team of 3 for the timely submission of high-quality market research reports
- Developed financial models for proposed 1-acre cherry tomato farms in India
- Designed an action plan for a plastic waste collection plant with a total area of 374 sq.ft with an expected collection of 600 Kgs per day
- Collected primary and secondary data to create reports with extensive visualizations.

HVAC- Site Engineer
Krishna Refrigeration and Infrastructure Private Limited   **Dec 2015 – Nov 2017**
- Completed 40 T centralized HVAC project at the South Pavilion of Noida Cricket Stadium
- Commissioned 22 T centralized HVAC project at Noida Club, a UP government-owned recreational area
- Improved the efficacy of the ventilation systems at the North Pavilion of Noida Cricket Stadium
- Trained colleagues in Microsoft Excel for various tasks associated with supervision work

COLLABORATIVE PROJECTS_____

Task Lead – Data Analytics   **May 2024 – Sep 2024**
Omdena Brooklyn Chapter
Currently working on a collaborative project with Omdena which uses ML/AI to evaluate solutions to ameliorate the impact of Food Deserts in Brooklyn. This is an 8-week project
- Responsible for creating a project roadmap for the Analysis and Modeling team.
- Identified food deserts at the highest granularity level called "Census Tracts" in Brooklyn using socio-economic, and demographic data, Food Outlets data using Clustering algorithms.
- Acting as the main liaison between multiple teams and the Chapter lead

Co-Lead – Data Analytics   **Jul 2024 – Sep 2024**
Omdena Paris Chapter
Housing Affordability Analysis in the Greater Parisian Region

- Experimented ways to find outliers/potential scam properties using statistical methods
- Acting as a liaison between data collection and data analysis teams

Task Lead – Knowledge   **Jun 2021 – Aug 2021**
Omdena Ghana Chapter
Project Name: Financial Inclusion in Ghana: Using Machine Learning to bank the unbanked
- Identifying key aspects impacting the current situation banking situation in Ghana
- Collected secondary data and created a data visualization methodology
- Addressed research gaps with team members for the successful completion of the project

CERTIFICATIONS

NASSCOM Certified Data Science Professional

AFFILIATIONS

- Omdena Local Chapters (Task Leader)
- DataDrivenInvestor.com (Medium Platform) – Writer
- MLearning.ai (Medium Platform) – Writer
- Level Up Coding (Medium Platform) - Writer