

Samit Uttarkar

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Education

Masters of Science in Data Science (Business and Management)

Manchester, UK | 09/2022 - Present

University of Manchester

- *Concentrations:* Data Analytics and Machine Learning to solve Business related problems
- *Relevant Coursework:* Statistics and Machine learning, Business Analytics, Understanding Databases and Environment, Data Analytics and Artificial Intelligence in Finance, Simulation and Risk analysis
- *Societies:* Manchester University Data Science Society

Bachelors of Science in Physics

Mumbai, India | 06/2019 – 06/2022

St. Xavier's College

CGPA : 9.1/10

- *Relevant Coursework:* Mathematical Physics, Computer Programming, Discrete Mathematics, Economics
- *Societies:* The Society of Physics (Sigma Phi)
- *Thesis :* Finding Velocity dispersion of the stars in Andromeda Galaxy by applying data analysis techniques using Python and MATLAB

Skills

Database & Programming Languages

SQL, MongoDB, R, Python, Java,
JavaScript, MATLAB, Scikit Learn,
TensorFlow, HTML/CSS, Git,

Software & Cloud Tools

Microsoft Office Suite,
Google Sheets,
Tableau, Azure

MLOPs Tools

DVC, MLflow, ci/cd,
Tf-extended, circleci
Jenkins

Experience

SkillVertex | *Data Scientist Intern*

Mumbai, India | 06/2022 – 08/2022

- Developed a classification problem model using logistic regression, decision trees and random forest including exploratory data analysis for the same for Employee Promotion of the company data with over 88% accuracy.
- Remodelled existing machine learning models, performed extensive customer analysis and designed data modelling processed to create predictive models
- Received recognition from the organization and stakeholders for my outstanding statistical analysis and effective communication skills.

Krowten | *Co-Founder*

Mumbai, India | 08/2021 – 03/2022

- Co-Founded a start-up with 3 people for creating a social networking application integrated with artificial intelligence
- Raised over 3000 followers on Instagram using extensive market research
- Selected for a start-up competition hosted by Entrepreneurship cell of St. Xavier's college and gained professional recognition from Entrepreneurs like Farad Acidwala
- Created a large-scale website for email collection and showcasing the app using Wix and JavaScript.

MyCaptain | *Social Media Marketing Intern*

Mumbai, India | 01/2021 – 02/2021

- Analysed customer trends and reaching out to relevant leads
- Market Research and Lead Generation.
- Supervised a team of 5 interns under me for lead generation

Projects

Optibus EV charging points for Optibus Platform

01/2023 – Present

- Leading a team of 5 and collaborating with Optibus to create a data file that interconnects with the Optibus platform so that clients may view possible charging spots.
- Identifying relevant data sets and processing methods to categorise potential sites
- Producing a report on the potential blockers to site usage and planning systems from business perspective that can help to resolve these issues

Implementing NoSQL Database using MongoDB for the Amazone Online shopping website

11/2022 – 01/2023

- Designed a NoSQL schema for Amazone using Figma and conceptualised Referencing and embedding pattern on 6 distinct collections for optimal performance of the database.
- Implemented a demonstration database and queries using MongoDB Compass and Python
- Incorporated aggregation pipeline and pandas to perform sales analysis for Amazone

Predicting best supplier using Lasso and Ridge regression

09/2022 – 12/2022

- Collaborated with a group of 6 people to create a machine learning model using lasso regression and decision tree regressor to find the best supplier out of 64 suppliers for **Acme Corporation**
- Performed Exploratory Data Analysis on the dataset to generate valuable insights and visualization using seaborn and matplotlib and improved the accuracy by 27% using Hyper parameter Optimization
- Generated a report on the observations and findings and earned a High Distinction for my work.

Predicting Sales using Random forest regression and XGBoost for Time series dataset

09/2022 – 11/2022

- Performed exploratory data analysis on the store dataset with over 1 million rows.
- Implemented Random forest regressor and XGBoost and plotted feature importance for over 17 parameters to obtain variables with high importance that affect the sales
- Optimised the Machine learning models using hyper parameter tuning reducing the RMSE by over 57.5%

Certifications & Courses

IBM Data Science & AI Professional Certification

06/2022 – Present

Learnbay

Main subjects:

Python for data science, Statistics, Machine Learning, Tensorflow, NLP, SQL, Tableau, MongoDB, PowerBI, R programming, Time Series Analysis, and Forecasting, Github, Cloud Deployment using AWS

Mathematics for Machine Learning

08/2022 – 10/2022

Imperial College London

Main subject:

- Linear Algebra for ML and creating page rank algorithm using hessian matrices
- Taylor series and Linear regression

Extracurricular Activities

Event Manager

Mumbai, India | 2021 - 2022

St. Xavier's College

- Member of the core committee at the physics society and responsible for maintaining communication
- Managed and arranged events with recognised personalities such as **Prof. Philip James Edwin Peebles**

Teacher at NGO

Thane, India | 11/2019 – 02/2020

Snehalaya

- Teaching computer skills to the mentally disabled people at NGO
- Operated and Led various fun-filled competitions and events at the NGO for children