Manas Rathi

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SKILLS

Data Science - Supervised Machine Learning (Regression and Classification Based), Unsupervised Machine Learning, Predictive Analysis, Hypothesis Testing, Statistical Analysis **| Web Development –** Flask, Flask REST APIs, SQLalchemy, CRUD Querying

Programming Languages: Python, NumPy, Pandas, Matplotlib, Scikit-Learn, MySQL, PySpark, Unix(Bash) **| Software-** Tableau, Advanced Excel, Git

PROFESSIONAL EXPERIENCE

Data Science Intern
Technobind Solutions   **May 2023 -August 2023, Bangalore, Karnataka**
• Built a collaborative filtering recommender engine to assist the Sales and Customer success teams in identifying the right products for different customer profiles. Used the Cosine Distance metric to measure distance between different vectorized customers and their details, and recommended the products used by most similar customers in the past. Achieved and overall RMSE of 84%.

Business Analyst
Epicurean Foods   **August 2022 -January 2023, Gurgaon, Delhi NCR**
• Used Python and MySQL for data extracting large amounts of data from Data bases of the previous years.
• Reduced the distribution of out-of-stock products by 15% by identifying and analyzing high-demand products' sales trends and generating sales predictions and production files that guided the production and distribution of products.
• Decreased the wastage percentage of special items by over 20% in two months by tracking inventory 2x a day, communicating with different departments, and reporting daily inventory to the management team.
• Creating New Auditing Templates using Advanced Excel that aid in a continuous and impartial evaluation of all products in all stores.

Finance Intern
HDFC Bank   **April 2021 - May 2021, Bangalore, Karnataka**
• Analyzed financial statements of over 3 MSME Businesses using ratio and fundamental analysis to determine if businesses were capable of paying back loans and supported managers during the decision-making process. Used internal HDFC Bank tools for this process.
• Collaborated with a team to create financial summary reports for HDFC clients to make the loan granting process more efficient.
• Successfully determined the creditworthiness of various MSME businesses with an accuracy of 90%.

PROJECTS

Bank Loan Defaulter based on Customer Behavior | Great Lakes Institute of Management   [October 2022 – January 2023]
• Developed an end-to-end machine learning pipeline to predict the viability of a loan application, such as Logistic Regression, Decision tree, Random Forest, ADABoost, XGBoost, KNN Classifier, Gradient Boost etc. to predict the viability for a customer for a loan, based on the accuracy metrics, F1 score, and Recall metrics. Generated actionable insights using various metric such as Accuracy and F1 score. Achieved a final accuracy of 90%.

Airline Review Sentiment Analysis and Classification | IIIT Hyderabad   [May 2023-August 2023]
• Used Natural Language Processing techniques to analyze the sentiment of written customer reviews of various airlines and predict whether a customer was likely to recommend an airline. Models used and tested was the XGBoost Classifier. Achieved an overall ROC_AUC score of 90%.

Sharded IPL Data Querying | IIIT Hyderabad   [Jan 2023 – Feb 2023]
• Creating multiple views and querying different tables using MySQL on a large database of IPL bets consisting of over 20 tables. SQL commands used include CREATE, WITH, JOIN, START TRANSACTION, etc.

EDUCATION

Institute	Degree	Department	Year	Percentage
Christ University - Bangalore	BBA	Finance	2022	78
Great Lakes Institute of Management	Postgraduate Program	Data Science and Engineering	2023	82
IIIT Hyderabad	Postgraduate Certificate	Software Engineering	2023	81

POSITIONS OF RESPONSIBILITY

CUSBMA Team Hospitality Lead | Christ University Bangalore   [May 2021 – May 2022]
• Spearheaded a team of over 200 sophomores and was responsible for the food, travel and accommodation of the chief guests and participants from various universities in the fests held at Christ. Managed and prepared the hospitality budget, statement of expenses, and administrative requirements for the Department, with respect to various events and worked with the core committee to make the events, a success.

Volunteer Teacher | Sampatthu Orphanage Bangalore   [Oct 2019 – Nov 2019]
• Taught English Language and Microsoft Office Basics to the children in the orphanage hostel and involved myself in conducting various other extra-curricular activities with them such as outdoor activities and stimulating puzzles.

KEY CERTIFICATIONS AND COURSES

• Google Advanced Analytics Professional | • Machine Learning Specialization - Stanford | • Mathematics for ML Specialization – Imperial College LN

• Advanced Excel Skills for Business Specialization – Macquarie University | • Data Visualization with Tableau Specialization – UC Davis