Mugdha Kamat

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EDUCATION:

M.S. Information Systems | Stevens Institute of Technology | Hoboken NJ | GPA: 4.0 **Expected May 2022**

Courses: Data Analytics and Machine Learning, Foundation of Data Science, Multivariate Data Analysis, Web Mining, Data Management, Big Data Technologies

PGDM Retail Management | SIMSR | Mumbai, India | GPA: 7.8/10 **May 2017**

Courses: Business Statistics, IT Management, Operations Research, Business Research, Marketing Management

B Tech. Electronics Engineering | Vishwakarma Institute of Technology | Pune, India | GPA: 8.4/10 **May 2013**

Courses: Computer Programming, Data Structure and Algorithms, Pattern Recognition, Computer Networks

TECHNICAL SKILLS:

Languages: SQL, Python, R

Software & Tools: Jupyter Notebook, RStudio, SAS, Spark, AWS EMR, AWS S3, Databricks, Tableau, SPSS, Microsoft Suite (Excel, Word, PowerPoint, Visio)

Expertise: Business Intelligence, Data Visualization, Data Management, Data Analysis

EXPERIENCE

Hero MotoCorp Ltd **June 2017 – Oct 2018**
Territory Manager **Pune, India**

- Managed 58 Dealerships across state of Maharashtra in refining quality of enquiries as a part of project 'Improving Enquiry Management System' by analyzing customer statistical data thereby boosting Enquiry/Sales Conversion ratio
- Created interactive dashboards in MS Excel to generate monthly trends and predict future sales
- Developed sales and marketing strategies for competitive advantage by exhaustive market research leading to increase in sales by 5%

Cognizant Technology Solutions **Sept 2013 – Nov 2014**
Programmer Analyst **Pune, India**

- Contributed to all phases of Software Development Life Cycle in an 'Agile' application development team
- Improved workstation efficiency of all employees by inspecting set of key attributes
- Created thorough documentation for all processes, reported impact of process modifications, and presented progress and final report to senior management and end clients

ACADEMIC PROJECTS

Telecom Churn Prediction **Sept 2021 - Dec 2021**

- Analyzed a telecom company's customer dataset of 2 million records to classify customers at high risk of churning by employing supervised machine learning algorithms using PySpark ML libraries
- Utilized AWS EMR along with PySpark to train and test data parallelly with different configurations resulting in reduced time of 55 secs and 91% accuracy

Insurance Cross-Selling Prediction **Sept 2021 - Dec 2021**

- Explored 380000 records of an insurance company data for understanding existing customers' intentions of buying additional coverage by implementing supervised machine learning algorithms using Python
- Cleaned and balanced data using SMOTE for accurate analysis and identified top significant features for targeted marketing campaigns achieving a recall of 90%

Prosper Loan Data Analysis **Jun 2021 - July 2021**

- Assessed over 110k loans from Prosper and performed data wrangling for accurate analysis
- Conducted Exploratory Data Analysis and visualized the data to identify significant features for predicting credit default

HONORS AND EXTRACURRICULAR ACTIVITIES

Stevens Provost's Master's Scholarship **Sept 2020 - May 2021**
Master's Peer Mentor **Sept 2021 - present**