

# Aaditya Damle

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## EDUCATION

University of Texas at Arlington, Computer Science and Engineering  
Master of Science in Computer Science  
Concentration: Intelligent Systems & Big Data Management

Expected May 2023  
Arlington, TX  
(GPA: 3.71/ 4.0)

*Relevant Courses:* Data Mining, Machine Learning, Cloud Computing & Big Data, Neural Networks, Data Analysis & Modeling Techniques, Design & Analysis Algorithms, Database Systems, Software Engineering, Distributed Systems, Information Security

University of Mumbai, India  
B.E, Computer Science & Engineering

October 2020  
(GPA: 3.3/4.0)

## SKILLS

**Programming:** Java, Python, SQL, Spark, R, HTML, CSS, Javascript

**Database:** MS SQL, Server, MySQL, SQLite, Firebase, Databricks, MySQL Workbench

**Software & Tools:** Jupyter Notebook, Google Colab, Android Studios, Airflow, Microsoft Suite (Excel, Word, PowerPoint), Power BI, Gitlab, Confluence, Kanban Board

**Data Science Libraries:** Numpy, Pandas, Scikit-Learn, Tensorflow, Keras, Pyspark, PyTorch Lightning, NLTK

## EXPERIENCE

Cummins Inc.

May 2022 – August 2022  
Columbus, Indiana

Data Analytics Intern, Quality Analytics

- Identified most impactful features causing defects in various engine products by visualizing interactive widgets in Databricks
- Presented probable cause of engine-defects from **400 features** in front of data scientists with strategies to curtail engine failure
- Adhered to OOPs concepts to rediscover Issue Driver quality analytics software for **Azure Databricks** platform
- Attained a reliable software by verifying the functionality of the various modules via **performing Unit testing**
- As a result, increased efficiency and slashed the computing cost, ultimately reducing annual expenses by over **\$30,000**

ABCOM Information Systems Pvt. Ltd.

July 2020 – May 2021  
Mumbai, India

Machine Learning Intern, ABCOM Education

- Shot up view count of ABCOM Education website by 30% by publishing thorough blogs about various ML techniques
- Designed projects and visualizations to illustrate the effective use of machine learning algorithms to maximize the accuracy in applications such as Admission Prediction, **Fake News Detection**, **Face Mask Detection** and **Sentiment Analysis**
- Developed a community application which hosts and enables viewing of spiritual and inspirational books on Android platform
- Spearheaded the development and release of their very first E – learning course namely “**Natural Language Processing through Good Old – Fashioned AI**” on Udemy platform

## PROJECTS

Sales Insights | Power BI, MySQL Workbench

August 2022

- Revealed sales insights and data discrepancies through data wrangling on data dump with **MySQL Workbench**
- Extracted clean and prepped data from client in **Power Query Editor** to remove discrepancies and generate useful features
- Visualized in **Power BI** to show how sales change over time and how product-sales, revenue performed in different markets

Twitter User Graph Analysis | JAVA, Pyspark, Scala, Hive, MapReduce

May 2022

- Ranked thousands of Twitter users according to their follower count by using **MapReduce** to accumulate list of famous users
- Associated potential followers for a user by analyzing the connected graphs of users and followers
- Calculated optimized distances to all potential followers for a user utilizing **distributed cloud environment**

Predicting Customer Rating by analyzing the Hotel Reviews | Python, NLTK, Google Colab

February 2021

- Cleaned and converted over **20,000 customer** reviews for various hotels from Trip Advisor website into numerical features
- Further examined the data using the power of **regular expressions**, stop-words, stemming and **Tfidf vectorization**
- Revealed the discrepancies in the data for various target classes by envisioning it via bar plot and handled them using **random over-sampling** technique
- This eventually helped in lifting the accuracy while predicting customer ratings with **Support Vector Machines**

## PUBLICATIONS

- Analysis of Barcode Scanning and Management – SAMRIDDHI: A Journal of Physical Science, Engineering and Tech (2020)