

EDUCATION**Master of Science in Computer Science***University of Texas at Dallas*Anticipated Grad date: **May 2023**

GPA: 3.85 / 4

Coursework: Statistical methods of data science, machine learning, Database Design, Algorithms**Bachelor of Engineering in Information Technology***University of Mumbai*Grad date: **Sept 2020**

GPA: 7.61 / 10

EXPERIENCE**Software Development Engineer Intern (Skills: PHP, MySQL, React)****May 2022 – Aug 2022****Paycom**, Dallas, TX

- Designed and developed a comprehensive Reporting Dashboard to help sales and marketing teams in assessing the client onboarding process.
- Collaborated with a team of four and developed a software in an agile environment using reusable, scalable and efficient code, according to industry level conventions, principles, and patterns.
- Optimized SQL queries to retrieve data quickly and efficiently, resulting in an immediate response on the Dashboard.
- Restructured a relational database and solved a few existing issues which will benefit an organization in the long run.

Data Analyst, Trainee**Feb 2021 – Aug 2021****tag8**, Mumbai, India

- Performed analytics on client datasets (Using MySQL, Excel and Python) and created exhaustive reports.
- Created a dashboard for client which fetches the data from the application software and gives insights about the progress of the project and the challenges. The efficiency of project increased by 25% using those insights.
- Oversaw the team of 5 data analysts and coordinated with the senior associates.
- Performed analytics on the Amazon sales of tag8 products & the remaining inventory logistics using PowerBI.
- Analyzed client business, its processes, and coordinated with them to agree on solution architecture.

Tech Intern**Oct 2020 – Dec 2020****Lockated**, Mumbai, India

- Developed a cold email marketing software using Java backend, react frontend and deployed using Digital Ocean.
- Developed a data segmentation plan utilizing Python data exploration, which benefited the firm by ensuring that the marketing campaign targeted the right people.
- Gathered requirements and developed a lucid Business Requirement Document.
- Designed a comprehensive report on a technology by reverse engineering technique.

TECHNICAL SKILLS**Programming Languages:** Python (NumPy, Pandas, Scikit-learn, matplotlib), Java, MySQL, PHP, React**Tools & Technologies:** Git, Postman, MVC Framework, RESTful APIs, PowerBI, Excel, jupyter Notebook**Machine Learning:** Data Analysis, Decision Modeling, Regression, Classification, Clustering, Data Mining**ACADEMIC PROJECTS****RNN for weather prediction from scratch (Skills: Python, Numpy, Pandas, Matplotlib)****Nov 2021**

- Single variate meteorological dataset is used for time series prediction. Data is transformed in a form of 3D matrix to implement sliding window method of sequence processing.
- Sigmoid activation function is used for an output layer and optimization is done using gradient descent.
- Hyperparameters used: learning rate, epoch, hidden dimensions, output dimensions, BPTT and clipping value.
- Performance is evaluated using RMSE evaluation matrix and RMSE score was 0.75 for the model developed.

Customer Revenue Analysis (Skills: Python, classification, scikit-learn)**Nov 2019-Mar 2020**

- A log based google analytics dataset is used to predict revenue of a customer.
- 80/20 rule is implemented which focuses on the 20% of the customers who generates 80% of the revenue.
- A revenue prediction model is developed using LightGBM algorithm on those 20% users.
- Further RFM (recency, frequency, monetary) analysis is performed for the decision making to target set of customers.

PUBLICATION AND CERTIFICATIONS

- Customer Behavior Analysis and Revenue Prediction System (IJREAM ISSN : 2454-9150 Vol-06, Issue-01, Apr 2020) **2020**
- Machine Learning Foundations: A Case Study Approach (Coursera, University of Washington) **2020**