MANAS CHOUREY

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EDUCATION

The University of Texas at Dallas **May 2023**
Master of Science in Business Analytics GPA-3.53
Relevant Coursework: Advanced Statistics for Data Science, Applied Machine Learning, Database Foundations

University of Pune **Jun 2019**
Bachelor of Engineering in Information Technology
Relevant Coursework: Data Science and Big Data Analytics, Data Structures, Object Oriented Programming

PROFESSIONAL EXPERIENCE

ALSAC/St Jude's Children Research Hospital, Dallas, TX, USA

Data Analytics Intern **Jun 2022 – Aug 2022**
- Consolidated metrics for 30+ products into an interactive live dashboard and published it to Tableau server
- Explored large datasets with billions of records from multiple disparate sources in order to define KPIs
- Created complex and optimized SQL queries to fetch relevant data to generate business intelligence
- Improved data by resolving incorrect, duplicate, and missing values using Python libraries
- Collaborated with technical architects to understand products, document patterns, and create insights

Accenture, Chennai, India

Associate Software Engineer **Sep 2019 – Jul 2021**
- Cleaned data with Python libraries to improve data quality which resulted in 3% cost reduction
- Recommended similar service incidents by leveraging Natural Language Processing capabilities on historical data to reduce the average resolution time of incidents
- Fetched relevant information from a large dataset of 5 million customer records by leveraging joins and subqueries in MySQL
- Worked with cross-functional teams in an agile setting to deliver user stories ahead of schedule

ACADEMIC PROJECTS

Target Audience Prediction for Marketing **Feb 2022**
- Shortlisted 100 customers for a targeted marketing campaign using supervised learning techniques
- Preprocessed 46000 records having 34 features on AWS S3 bucket for creating training and test splits
- Predicted customer likelihood based on XGBoost model built on AWS SageMaker with an AUC score of 0.82

Fake Disaster Tweets Detection **Jan 2022**
- Classified tweets as real or fake by applying deep learning techniques on 70000 tweets with a F1 score of 0.76
- Inculcated word embeddings for data transformation and Long Short-Term Memory model for classification
- Created data pipeline comprising text preprocessing, scaling, and encoding on Databricks using PySpark

Walmart Retail Analysis **Nov 2021**
- Analyzed Walmart sales data of about 25000 records in Power BI to provide actionable insights for sales
- Designed a dashboard showcasing core business KPIs like Monthly Sales, Revenue for previous 2 years

COMPETITIONS AND LEADERSHIP EXPERIENCE

Business Analytics Symposium Competition **Mar 2022**
- Secured 3rd place out of 35 teams for presenting Target Audience Prediction for Marketing

Envision (Data Visualization Club) – General Secretary, UT Dallas **Sep 2021 –Present**
- Mentored 50+ students in Data Science Projects and provided technical support for workshops and events

Code.exe (Coding Club) – Founding Member and General Secretary, UT Dallas **Mar 2022 –Present**
- Founded the organization to help students to learn R programming

TECHNICAL SKILLS

Technical:	Python, R, SQL , Tableau , Power BI , Microsoft Office(Word, Excel, PowerPoint), GitHub , MySQL ,SAS
Cloud:	AWS(SageMaker, S3) , Databricks
Packages:	NumPy , Pandas , Plotly , Scikit-Learn, TensorFlow , Seaborn , PySpark
Analytics:	Hypothesis Testing , A/B Testing , Predictive Models , Machine Learning Models