ONKAR RANE

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https://www.linkedin.com/in/onkarane/ | https://github.com/onkarane | Tableau

EDUCATION

Colorado State University, Fort Collins, CO   **May 2021**
Master of Computer Information Systems
Cumulative GPA: 3.61 / 4.00
- Graduate Certificates: Business Application Development, Business Intelligence
- Relevant Coursework: Business Database Systems, Object-Oriented Systems (Java), Business Visual Applications (C#), Agile Management and Product Development, Software Development Methodology

University of Mumbai, Mumbai, India   **May 2018**
Bachelor of Engineering in Information Technology
Cumulative GPA: 7.04 / 10.00
- Relevant Coursework: Big Data Analytics, Data Structures, Advanced Database Management, Data Mining

EXPERIENCE

Graduate Research Assistant – Colorado State University, Fort Collins, CO   **Jan 2021 – May 2021**
- Elicited the requirements by interviewing prominent professor at the College of Business to increase indigenous voices in the management department.
- Gathered information about the indigenous people in management/academic field by researching management journals and research papers.

Business Intelligence Intern – FynTune Solution, Mumbai, India   **Jan 2019 – Jun 2019**
- Implemented auditing using triggers and restricted access to sensitive data by formulating views.
- Refined the company's defect data collection process, which uncovered 11 recurrent bugs.
- Created stored procedures, tables, and functions using T-SQL as a part of the data migration initiative.

PROJECTS

ETL Pipeline (https://github.com/onkarane/etl_pipeline)
Software Stack: Python, Apache Airflow, Pyspark, Pandas, S3, Redshift, Bash, Psycopg2, PostgreSQL, Parquet, Boto3
- Orchestrated an automated ETL pipeline with Airflow to process 8,635,403 reviews and 1,162,119 tips by 2,189,457 users from unstructured JSON to structed Parquet and migrate files to Redshift data warehouse.
- Designed DAG with tasks to create data warehouse tables on Redshift, process the data using Pyspark, stage the data to S3, and copy data from S3 to data warehouse.

Streaming Data Pipeline & Dashboard (https://github.com/onkarane/sales-pipeline)
Software Stack: Python, Apache Kafka, Tableau, Rockset, Kafka Connect, mongoDB, SQL
- Built a low latency data pipeline using Kafka to stream and ingest sales data into Rockset collection on the cloud by creating Kafka integration in Rockset with Kafka sink connector.
- Wrote custom SQL queries in Tableau to retrieve data from Rockset collection and perform near real-time visual analytics on sales data.

Customer Segmentation (https://github.com/onkarane/segmentation)
Software Stack: Python, Scikit-learn, Pandas, K-Means, Principal Component Analysis, Standard Scaling, JSON
- Enhanced data quality by carrying out EDA, data wrangling to eliminate misattribution, duplication, null values using Pandas, Matplotlib, and Seaborn.
- Calculated response & conversion rates, which uncovered $70,000 in lost revenue over erroneous targeting.
- Devised an optimized advertising plan by segmenting customers into three distinct clusters using K-Means.

TECHNICAL PROFICIENCIES

- **Languages:** C#, Python, SQL (PL/SQL, T-SQL), JavaScript, Php, Java, Html, R, Bash/Shell
- **Database Development:** SQL Server 2012/14/16, SSMS, SSIS, CRUD, ER Modeling, NoSQL, OLAP, OLTP
- **Amazon Web Services:** DynamoDB, Lambda, CloudWatch, Glue, Athena, S3, EC2, EMR, Redshift, RDS, VPC
- **Big Data / ETL Tools:** Hadoop, Spark, Hive, Airflow, Kafka, ZooKeeper, MapReduce
- **Software Development:** SDLC, Agile, SCRUM, GitHub, Object Oriented Design, Jira, Trello, A/B Testing