LAVINA SABHNANI

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CAREER OBJECTIVE:

Diligent, skilled, and impact-oriented Computer Science professional with in-depth knowledge of databases, database types, interpretation, analyzing, and visualization of data. Seeking opportunities to make an impact, gain experience, and further my career.

EDUCATION:

University of North Carolina, Charlotte: Master of Science (M.S.), Information Technology 2017 – 2019 | Charlotte, NC.

Concentration: Advanced Data & Knowledge Discovery.

G.P.A – 3.6/4.00

University of Mumbai: Bachelor of Engineering (B.E.), Information Technology 2013 – 2017 | Mumbai, India.

G.P.A – 3.5/4.00

TECHNICAL SKILLS:

Azure – Azure Cosmos DB | Azure SQL | Azure Data Factory | Data Lake Analytics

GCP - Cloud ML Engine | Google BigQuery | Cloud Data Flow | Data Studio | Cloud SQL | Cloud Pub/Sub

AWS - Amazon Athena | Amazon EC2 | Amazon DynamoDB

Languages: Python | Java | HTML | CSS

Database/ Framework : Oracle 11g | MySQL | PL/SQL | T-SQL | PostgreSQL | Oracle SQL Developer | Microsoft SQL Server | MS-SQL | MS Access| MS- Excel | MongoDB | Cosmos DB

Tools: Salesforce | Tableau | Power BI

Work Experience:

Mindtree Limited | Big Data Engineer **September 2020- Current | Seattle, WA**

Reference – Chaithanya Reddy Sarabuddi – Azure Big Data Operations Manager | v-chaisc@microsoft.com

- Working closely with end users to provide technical support on troubleshooting of cosmos Db to Microsoft's Clients.
- Performed ETL from Sources Systems to Azure Data Storage services using a combination of Azure Data Factory, T-SQL, Spark SQL, and U-SQL Azure Data Lake Analytics. Data Ingestion to one or more Azure Services - (Azure Data Lake, Azure Storage, Azure SQL, Azure DW) and processing the data in Azure Databricks.
- Created scripts for Kusto & Azure Data Lake Scripts (Microsoft Big Data).
- Created Pipelines in ADF using Linked Services/Datasets/Pipeline/ to Extract, Transform, and load data from different sources like Azure SQL, data lakes, Blob storage, Azure SQL Data warehouse to various destinations.
- Use various data migration tools and platforms such as data migration tool, spark connector, Change-feed for data migration purposes using .NET framework, Scala, and Python.
- Worked with SQL API, Mongo dB API, Cassandra API, Gremlin API, Table API
- Tested the code in different environments before production. Technologies and Languages: C# Programming, Azure Cosmos Database, Azure Stream Analytics (ASA).

ABN AMRO Clearing Chicago | Data Analyst – Salesforce **December 2019 – September 2020 | Chicago, IL**

Reference – Erin Kane: Vice President – Head of Commercial Support | erin.marie.Kane@gmail.com

Sharmin Islam: Regional Data Manager | sharmin.islam@us.abnamroclearing.com

- Analyzing data quality issues with demographic, account agreement, US annex, and trader information for active clients
- Documentation of weekly reports describing methods for driving a quality data culture and improved operational efficiency.
- Performing quality checks ensuring data anomalies are detected and corrected before moving the data downstream.

Verge Innovation | Data Analyst **August 2019 to December 2019 | Charlotte, NC**
Reference- Karen Johnson - President and CEO | kjohnson@vergenovation.com | 704-606-0644
Solution Environment: Google Analytics, Tableau, Data Lake, Power BI, AWS, GCP, Salesforce, SSRS and MySQL

- Helped clients analyze their customer behavior based on their buying pattern and how the client may launch products according to their customer needs.
- Assisted them with their marketing strategies such as advertising, new store location prospects by querying their data to recognize patterns, anticipations, and by creating dashboards, reports to help them make informed decisions.
- Helped them improve their existing products based on the customer reviews and recommendations received.

Trivia Software's Pvt Ltd. | Intern **January 2015 to June 2015 | Mumbai, India**
Solution Environment: Oracle 11g Express edition and MS Visual Studio 2010.

- Designed, Developed, and Tested software for multiple schools across India.
- Created Gap analysis document by comparing the client requirements with our original product.
- Modified the backend stored procedures as per the requirement of each school.
- Structured complex SQL for creation or modification of New Reports.
- Performed unit testing and Regression test with the real life data to match the existing manual system/Legacy System.

AKROTICS Digital Solution | Project Trainee **January 2016 to June 2016 | Mumbai, India**
Solution Environment: MySQL, HTML and CSS

- Developed websites for the clients - ParcelCity and Zaiten Entertainment.

Projects and Research Work:

Flight Delay Prediction Service

- Implemented an end-to-end data pipeline, using statistical and machine learning methods and tools on GCP such as Cloud ML Engine, Google BigQuery, Cloud Dataflow, Cloud Pub/Sub, Data Studio, and Cloud SQL.
- Used logistic regression with time-aggregate features for predicting the on-time arrival probability of flights.

Hate Speech Detection

- Implemented a Logistic regression model along with Naïve Bayes function as classifier to implement features like NGrams, TFIDF and Word Embeddings on Kaggel toxic comment classification dataset for Hate Speech Detection.

MEDICARE

- Implemented an application, where the user can sign up and login later to enter symptoms and check the predicted disease to help take further steps to cure the disease.
- This mobile application has been developed using Android studio with java as the programming language and SQLite as the database to store user information and symptoms of diseases.

Smart Store

- Designed and implemented an online retail store as ecommerce website consisting of two main components: Admin and Customer side using JSPs, Servlets, and MySQL database server.

MapReduced Distributed Action Rules

- Demonstrated the implementation of MapReduce Distributed Action Rules using the Apriori algorithm. Tools and Technology used are Hadoop, Java, and Cloudera.

Connectionist Model and Linguistics: Model for Word Recognition

- The research paper reviews the basic components that Connectionist models of Reading comprises of, Triangle framework by Seidenberg McCelland (1989), Plaut et al. (1996), and Harm and Seidenberg (1999, 2004) and the TRACE model developed by McCelland and Elman (1986) to understand the lexical access on them, their architecture and shortcomings of these models.