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.

Interests

Database Systems, Big Data, Data Mining, Data Management, Data Visualization, Web Services, Natural Language Processing.

Experience

Verge Innovation | Data Analyst Intern

August 2019 - Present | 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, and MySQL

- Collaborating with various clients to create data sets, reports and dashboards to help clients make more informed decisions for their business needs.

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.

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.

Education

University of North Carolina, Charlotte: Master of Science (M.S.), Information Technology.

Concentration: Advanced Data & Knowledge Discovery.

2017 – 2019 | Charlotte, NC.

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

Skills

Cloud: 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 | JavaScript | MySQL | PL/SQL | NoSQL | MongoDB | PySpark | Java | HTML | CSS | C

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.

Course Work

Graduate: Natural Language Processing, Knowledge Based Systems, Cloud Data Storage, Applied Database, Knowledge Discovery in Databases, Software System Design and Development, Principles of Human Computer Interaction, Principles of Information Security and Privacy, Network Based Application Systems, Introduction to Cognitive Science. **Undergraduate:** Data Structures with C, Analysis and Design of Algorithms, Object Oriented Programming with Java, Automata Theory, Software Engineering, and Database Management Systems.