Shivani Dandir

5202703879 | shivanidandir17@gmail.com | linkedin.com/in/shivanidandir | Resume | GHC 2022

EDUCATION

Master of Science in Management Information Systems (MIS) — Dec 2022
Eller College of Management, University of Arizona, Tucson, AZ, USA — GPA 3.7
Coursework - Database Management, Data Mining, Business Intelligence, Data Warehouse, Big Data, Statistics

Bachelor of Engineering in Information Technology (IT) — May 2019
Maharashtra Institute of Technology College of Engineering, Pune, MH, India — GPA 3.7

WORK EXPERIENCE

Data Engineer | University of Arizona, Tucson, USA — Aug 2021– Present
- Created 20 reporting dashboards in Tableau for administrative data to provide insights to university business teams including the senior leadership, and enhanced the existing dashboards using a creative approach
- Analyzed KPI in Oracle Business Intelligence (OBIEE) for financial, research, employee, and learning domains
- Developed a self-serving ETL pipeline - transforms data, cleans it, and feeds it to the dashboard after data analysis

Business Intelligence Engineer Intern | Amazon, Seattle, USA — May 2022 – Aug 2022
- Created 5 enhanced metrics to evaluate consumer engagement for the Alexa app using SQL queries & Tableau
- Translated business needs into data, created weekly/monthly business reviews for Alexa App using ETL in Redshift
- Optimized existing SQL codes using data aggregation which resulted in saving resources by 30% per execution
- Worked with product & engineering team to build efficient, reliable, & scalable data pipelines on a large dataset (500TB+)
- Analyzed critical data problems to optimize reports and installed data quality validations to report data accurately
- Dealt with a degree of ambiguity and developed a quick proof of concepts; created 15 Tableau dashboards

Graduate Consultant | Samsung, Tucson, USA — Jan 2022 – May 2022
- Researched key areas to find business solutions, used hypothesis-driven approach after problem breakdown
- Collaborated with stakeholders & executives to frame a story around business cases to present it to C-suite
- Designed a product recommendation to increase 20% revenue by customer & industry research on focused group

Business Technology Analyst | Deloitte, Mumbai, India — Dec 2019 – Jul 2021
- Spearheaded 2 modules, data collection & correspondence, independently in the highest revenue-generating public sector agile project, collaborated with 150+ practitioners, generated $200k+ in revenue, and managed 3 interns
- Analyzed key issues provided data fixes in SQL, impacted 1M+ cases in production; worked in a cross-functional team
- Reduced team efforts up to 20 hours/week by developing JIRA dashboards to enable time and usage tracking
- Devised Batch Report Automation Macro using Excel & MySQL for performance optimization, saving 120+ hours/week
- Enhanced the time of fetching the data by using advanced SQL queries, data integration, and transformation

SKILLS

- **Languages and Databases**: Python, SQL, Java, R, Spark, Scala, Hive, NoSQL, Oracle, Hadoop, MySQL, MATLAB
- **Tools and Services**: Tableau, Git, PowerBI, RedShift, AWS EC2, AWS S3, AWS DynamoDB, Glue, Lambda, Airflow
- **Frameworks and Libraries**: Pandas, NumPy, Scikit-Learn, TensorFlow, Keras, NLTK, NLP, matplotlib
- **Additional Skills**: Performance tuning, ETL, Data modeling, Data pipeline, Data standards and policies, Reporting and analysis, Data Integration, Data Analysis, Validation, Optimization, Technical documents, Design documentation
- **Professional Skills**: Excellent communication, Problem-solving, Analytical, Critical thinking, Creative approach

ACADEMIC EXPERIENCE

Data Scientist | Audio Analysis of Lena under Prof. Leroy   **Python | Machine Learning**   May 2022
- Evaluated machine learning models (DeepSpeech, coqui) to transcribe audio of children with Down Syndrome
- Scripted extraction and splitting code in Python and Linux to feed it to the deep learning models for transformation
- Processed 100GB+ real-time audio data in python to remove noise, reported the results for further research

Data Engineer | Business Intelligence & Data Warehouse   **Oracle | SQL | Tableau | ETL**   Mar 2022
- Created an ETL data pipeline in Microsoft SQL server management for data management of extracted data from cdc.org
- Transformed the data by normalization and aggregation, loaded the data in a star schema in Visual Studio
- Analyzed the data through exploratory analysis in Tableau; presented insights for improvement in healthcare
- Led a team of 4 - scheduling scrum meetings, sprint planning, setting deadlines, implemented agile methodology
- Conducted requirements gathering and project scoping sessions with subject matter experts

Data Architect | Enterprise Database Management   **Oracle | JAVA | AWS | MS Visio**   Nov 2021
- Created a Data Model and architecture for a food delivery app, after gathering requirements, and mapping relations
- Devised data manipulation language (DML) in SQL for retrieving data on the front-end using Java, in AWS S3
- Designed relational database, ER diagram, normalized the database, performed ETL, created procedures in PLSQL

Data Engineer | Traffic Dataset Analysis   **SQL | Python | Excel | Tableau | ETL**   Aug 2021
- Analyzed Estonia traffic dataset containing a large volume of data (5M rows) as part of data analytics challenge
- Cleaned and processed the data to analyze accidents caused by intoxication by exploratory analysis in MySQL
- Visualized data in Tableau to generate insights and provided a solution to change the patrolling schedule

Data Scientist | Identifying racist/sexist Tweets   **Python | NLP | ETL | Deep Learning**   July 2019
- Cleaned data by parsing & tokenizing 50,000+ tweets, visualized in WordCloud, used natural language processing
- Built bag of words & TF-IDF models with Naïve Bayes algorithm to determine the nature of tweets